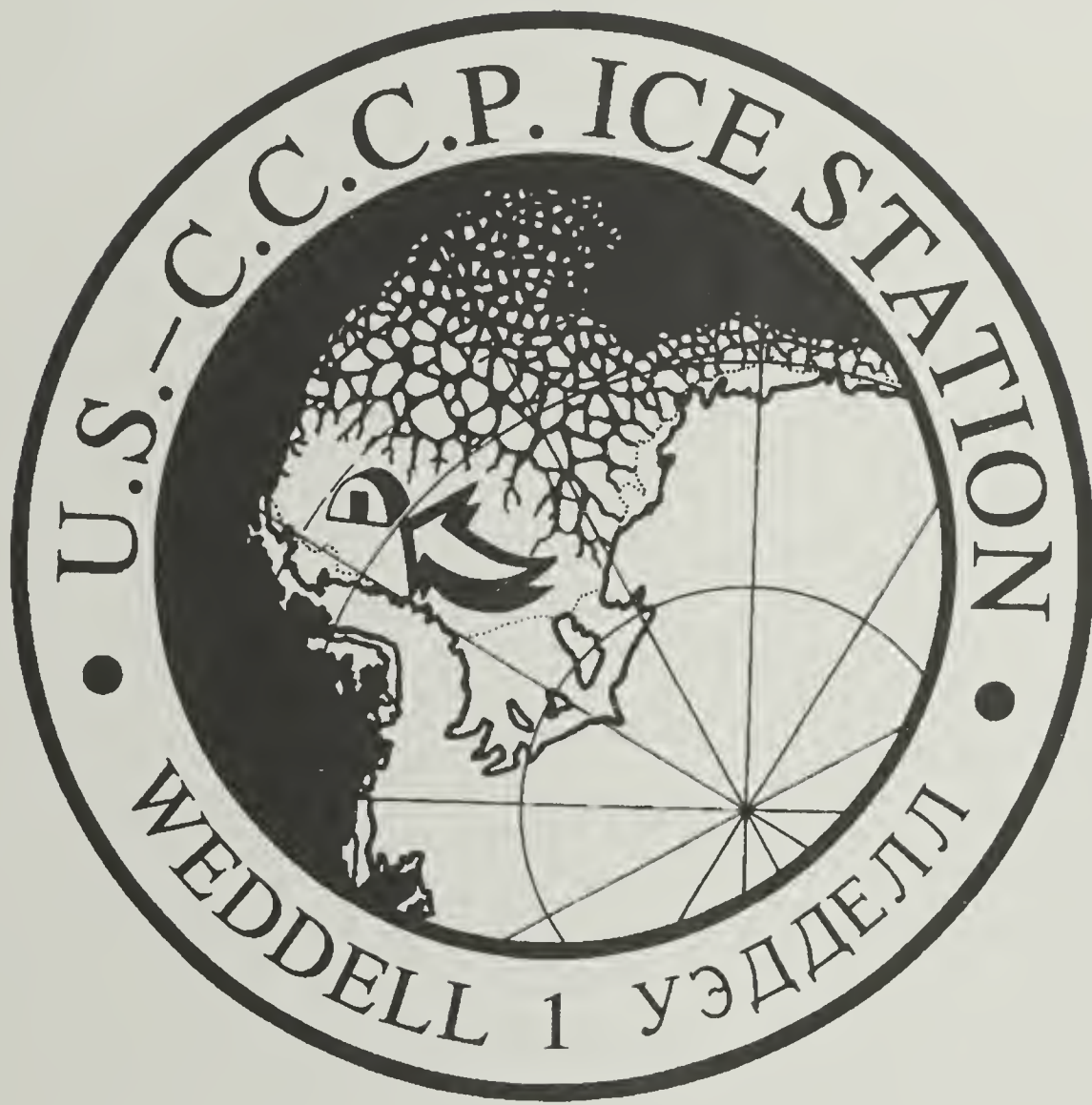
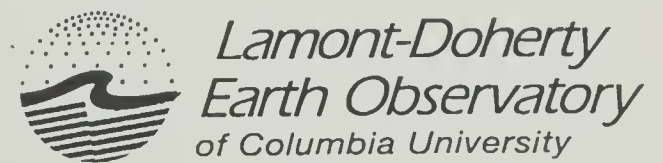


Ice Station Weddell - 1

CTD/Hydrographic Data



Technical Report LDEO-94-2





# Ice Station Weddell - 1

## CTD/Hydrographic Data

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Technical Report LDEO-94-2 of  
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## Introduction

In January 1992, the first international scientific Southern Ocean ice drift station was established in the western Weddell Sea through a joint effort of investigators from several institutions in the United States and of the Arctic and Antarctic Research Institute (AARI) of St. Petersburg, Russia. Ice Station Weddell 1 (ISW-1) drifted along a course which closely followed that of Ernest Shackelton's vessel *Endurance* while it was trapped in the ice in 1915. Oceanographic measurements were made throughout the drift of the station, as well as during the deployment, recovery and one rotation phase. We report here the data from the various CTD and hydrographic stations occupied during ISW-1 (Figure 1). An overview of the project is given in Gordon, et al. (1993) and in Gordon and Lukin (1992). A brief overview of the CTD program can be found in Gordon and Huber (1992) and in Gordon, Martinson and Huber (1992).

## AQ92-Deployment Cruise

All supplies, hardware, and personnel were embarked on the AARI ice breaker *Akademik Fedorov* in Montevideo Uruguay for transit to the western Weddell Sea. *Fedorov* departed Montevideo on 25 January, 1992. After transit to the western Weddell, and subsequent reconnaissance for a suitable ice floe, the deployment of ISW-1 commenced on 3 February. Ice Station Weddell 1 officially opened on 12 February 1992, at approximately 71° 45' S, 51° 45' W.

In addition to supporting the deployment of the Ice Station, an abbreviated CTD program was carried out from the *Fedorov*. Eight stations were occupied, distributed to provide a section across the inflow to the western boundary region of the Weddell, and to provide a set of initial conditions against which the ISW data could be interpreted.

## Instrumentation

At all eight stations, a NBIS MKIII CTD and rosette system provided by LDEO were used. The AARI profiler was not functioning, so planned intercomparison casts were not completed. Two CTD fish were used. On stations 1 and 2, the conductivity sensor eventually failed, so only the temperature data are reported. For subsequent stations, a second CTD fish was used. Dissolved oxygen data from the CTD was of poor quality and is not reported here. Water samples were collected in 12 1.7-liter General Oceanics Niskin bottles for analysis of salinity, dissolved oxygen, helium and tritium. Salinity was measured on a Guildline 8400A laboratory salinometer, operated and maintained by the AARI group. Oxygen titrations were run according the Winkler method by both LDEO and AARI personnel. The oxygen data for stations 1-3 were titrated by LDEO personnel using LDEO equipment. The remaining data were produced by AARI personnel on their equipment. The tritium and helium analyses were performed at LDEO and the results will be reported elsewhere.

## Data processing

Pre- and post cruise laboratory calibrations were performed for the CTD used in stations 3-8. No drift in temperature or pressure calibrations was discerned. Conductivity was calibrated by comparison with conductivity derived from the rosette salinity samples. Time constant mismatch between temperature and conductivity sensors was corrected by applying a recursive digital filter to the conductivity signal to change its phase to more closely match the time response of the temperature sensor. The fast response thermistor circuit in the CTD was disabled, so the temperature signal recorded is just that of the platinum resistance thermometer. The data were smoothed with a median filter and decimated to a resolution of one sample per decibar.

## Personnel

Personnel who participated in collecting CTD/Rosette data during the ISW-1 deployment cruise are listed in Table 1. Those marked with an asterisk remained on the ice floe after the opening of ISW-1.

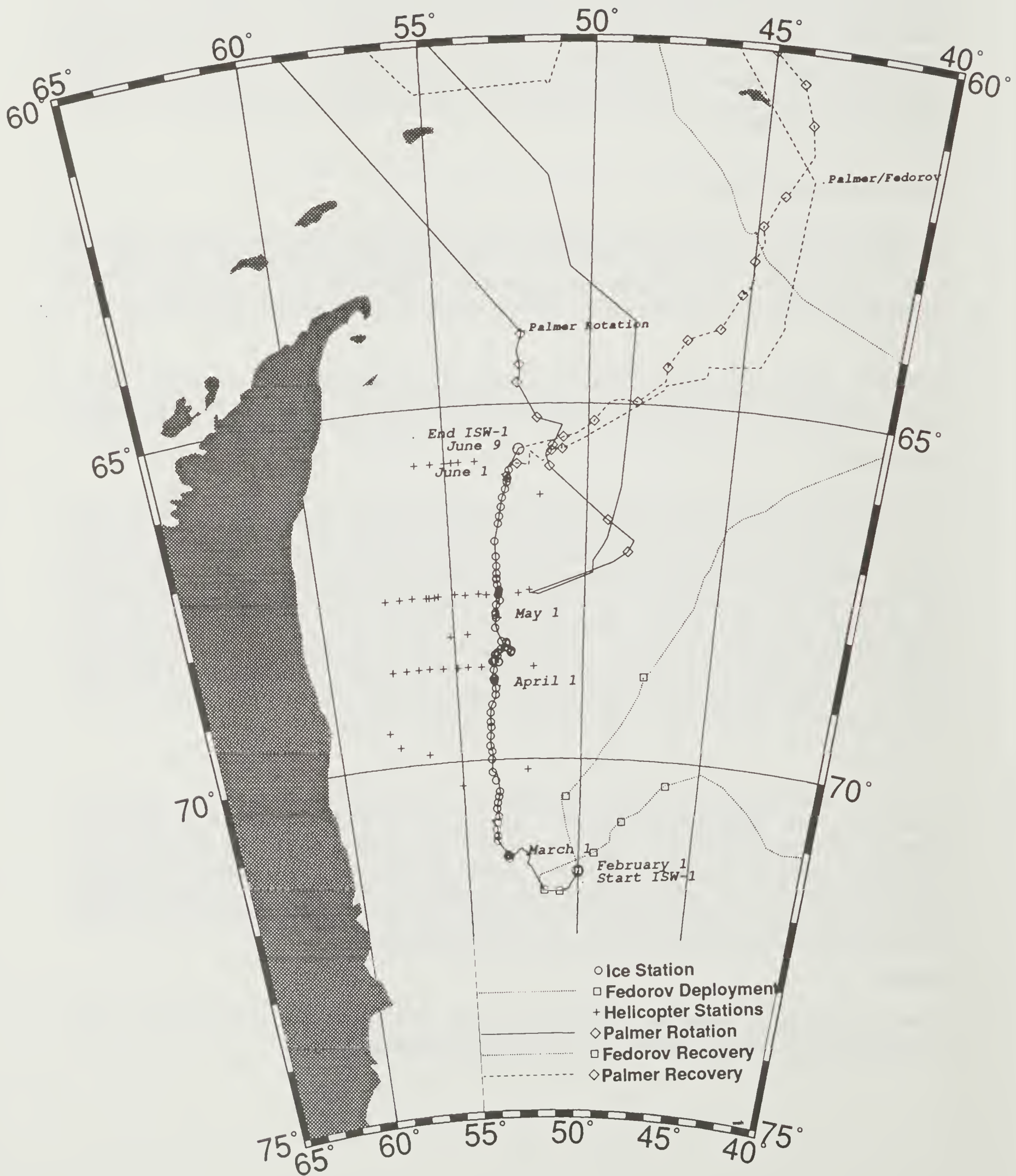


Figure 1

Table 1 - AQ92 Deployment Cruise CTD Personnel

Name	Affiliation
N. Antipov	AARI
J. Ardai*	LDEO
J. Evans	ASA
R. Guerrero*	INIDEP
B. Huber	LDEO
P. Mele	LDEO
V. Razdol'sky	AARI
M. Romanov	AARI
R. Weppernig*	LDEO

## Ice Camp

Ice Station Weddell was established on a floe of perennial sea ice measuring approximately 1.5 x 2 km, with an average thickness of 1-2 m. Accommodations for 32 plus scientific and logistics facilities formed a small town of nearly 2 dozen structures, complete with an airstrip and a sauna (Figure 2).

Oceanographic data were collected at the ice camp and at remote sites accessed by helicopter. At the camp, a permanent hole through the ice was maintained under a pair of heated tents. Hydrocasts were made through the hole at nominal 20 km spacing during the drift. The hydrocasts were accomplished with up to 15 5-liter Niskin bottles with reversing thermometers, plus an internally recording CTD profiler at the bottom of the hydrowire. Bottom depths were monitored throughout the drift by PDR. A pinger on the hydrowire allowed close approach to the bottom at all stations.

Remote CTD stations were reached by helicopter, and casts were carried out with an internally recording CTD and one or two 1.7-liter Niskin bottles attached to the wire. A conducting cable and lightweight winch were used. The bottles were tripped by messenger. A conducting cable was used so that an acoustic altimeter attached to the CTD could relay range to bottom information during the cast, allowing close approach to the bottom. Since many of the stations were taken in previously unsampled regions, bottom depths were unknown prior to ISW-1 and the bottom depth information collected during these helo CTD's (hCTD) are therefore unique.

## Instrumentation

The CTD data reported here for the camp and helo sections were obtained with 2 SBE19 Seacat profilers (Seabird Electronics, Inc.). The Seacats were equipped with pumped conductivity cells and deep pressure sensors. The combination of deep pressure sensor and sample rate of 2 Hz yielded data with a vertical resolution of between 1.5 and 2 decibars. Consequently, the data have been processed and reported to a resolution of 4 decibars.

At the ice camp, a Seacat was attached to the bottom of the hydrowire to continuously record temperature and conductivity as a function of pressure. Both units (892 and 893) were used at the camp, with the majority of casts performed with 892. Water samples drawn from the hydrocasts were sampled for salinity, dissolved oxygen, CFC, tritium, helium and oxygen-18. Salinity and oxygen were measured at the camp site on instruments housed in the heated tent with the hydrohole. Temperature control in the tent was, as one might expect, not very good. Consequently, the Guildline 8400A salinometer used for the salinity determinations did not perform at the level one can expect in a stable environment. Nonetheless, the salinity data obtained were used to standardize the Seacats with an expected error of +/- 0.005 in salinity. Reversing thermometer data obtained during the hydrocasts also suffered degradation due to the extremes in temperature, and were used only to verify that there were no gross problems with the Seacat temperature and pressure sensors.



○ 19

18 □

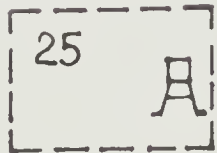
9 □

○ 20

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12 9 □ □

9 □ □ 30

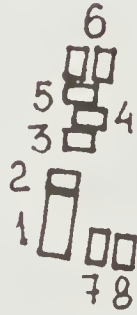
13 9 □ □

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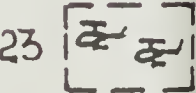
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Helicopter CTD (hCTD) profiles were obtained with Seacat serial number 893, flown to remote sites with a generator, laptop computer, lightweight winch and ancillary equipment. Leads were sufficiently abundant so it was unnecessary to drill holes for the casts. A Datasonics acoustic altimeter was interfaced to the Seacat to provide bottom range data. A lightweight winch (designed and built by J. Ardai at LDEO) with 0.1" steel armored conducting cable enable the data to be displayed on the laptop computer in real time, allowing the casts to approach the bottom. Initially, the system was designed with 3000 m of wire to allow for deep casts to the east of the camp, down the continental slope. Therefore, a modem in a pressure housing was designed to overcome cable losses. However, 1000m of wire was donated to the Russian program after their cable was determined to be unsuitable; the shortened cable on the Seacat system allowed direct data transmission so the modem was decommissioned.

Water samples were obtained at some stations by attaching 2 1.7-liter Niskin bottles to the wire and tripping them with small messengers. The bottles were sampled for salinity and dissolved oxygen in the field. Due to the often extreme low temperatures encountered, the water sampling program was not very successful, in spite of the creative and diligent efforts on the part of the hCTD crews to overcome the difficulties. The bottle data reported for the helo stations should be viewed with caution, as many of the samples may have been unknowingly subjected to freezing during transit from the sampling site to the analysis tent.

### **Data Processing**

The two Seacats were calibrated approximately 7 months prior to first use on ISW-1 and within 1 month after the last station. While there was some drift evident, the post-cruise calibration was used since the precruise calibration was done so far in advance of the program, and ISW-1 was the first field use of the instruments.

Because the Seacat was exposed to extreme temperatures during the helicopter CTD operations, the downtrace conductivity data were frequently corrupted due to freezing. This occurred in spite of efforts to prevent freezing by applying warmed saline water to the instrument before deployment. Consequently, only uptrace data from the helo CTD stations were processed.

In order to minimize inter-instrument differences in the final data, Seacat 893 was used occasionally for the ice camp hydrocasts, and both instruments were lowered together for stations 69 and 70. Table 2 indicates which instruments were used for each station:

A comparison of the Seacat pressure readings near the surface to values expected from wire out measurements led to a pressure correction for each unit: for 892, a correction of -6 decibars was applied; for 893, the correction was +1 decibar. During stations 69 and 70, both units were lowered on the hydrowire simultaneously so the data could be compared for consistency. It was found that the temperatures differed by 0.002°C. Since the reversing thermometer data were of too poor quality to serve as a standard, SBE893 was chosen as the reference since its temperature showed the least drift of the two between pre- and post-cruise calibrations. Therefore, the SBE892 temperatures were adjusted by -0.002 throughout the data set.

Although both instruments used a pumped conductivity cell, there was still significant salinity spiking due to time constant mismatch between temperature and conductivity sensors. A phase lagging filter ( Unesco Technical Papers in Marine Science 54) was applied to minimize spiking.

Once the pressure and temperature data were adjusted, each instrument's conductivity was calibrated against conductivity derived from the water sample salinities. In each case, the correction was fairly small, of order 0.002 in resultant salinity.

Table 2 - Seacat Instruments used for Ice Camp stations (u denotes uptrace)

892	893	892	893	892	893
001		026		046	
002		027		047	
003		028		048	
004		029		049	
005		030		050	
	006		031	051	
007		032a		052	
008			032b		053
	009		032c		054
010		033a			055 u
011			033b	056	
	012	033c			057
013		033d			058
014		034		059	
015			035	060	
	016	036			061
017			037	062	
018		038			063
019			039	064	
020		040 u		065	
021		041		066	
022		042			067
023			043		068
024			044	069	069
025			045	070	070

## Personnel

Table 3 list ISW personnel who were primarily responsible for collecting the CTD/Hydrographic data at the camp and helo sites.

Table 3. ISW camp and helo CTD/Hydrographic team

Name	Affiliation
Jay Ardai	LDEO
Nikolai Dmitriev	AARI
Amy Ffield	LDEO
Raul Guerrero	INIDEP
Hartmut Hellmer	LDEO
Valery Karpiy	AARI
Guy Mathieu	LDEO
Suzanne O'Hara	LDEO
Ralf Weppernig	LDEO
Helicopter Support:	
Andy Campbell	EVERGREEN
Tom Duncan	EVERGREEN
Jim Innes	EVERGREEN
Mike Rugg	EVERGREEN
Brent Snyder	EVERGREEN

## AARI CTD profiles

A team from AARI conducted a separate CTD profiler program during ISW. Their profiler data are reported here. Details of instrument type and data processing were not available at the time this report was prepared.

## NBP921 - Rotation Cruise

Cruise NBP92-1 of the RVIB Nathaniel B Palmer was primarily for the purpose of rotating personnel and supplies to ISW-1 in May 1992. While the NBP did not quite reach the camp, the planned rotations were accomplished via helicopter ferry. Following the rotation, 7 CTD stations were occupied during periods when the vessel was forced to stop by adverse ice conditions. Since these stations had not been planned beforehand, the ASA SBE9 CTD was hastily put into service. The rosette system suffered a multitude of problems, and the on board salinometer gave spurious results, so no bottle salinity samples were available for standardizing the CTD. No dissolved oxygen samples were taken. Fortunately, during cruise NBP92-2 (the recovery cruise), station 2 was occupied at the site of NBP92-1 station 4. The 2 profiles were interpolated in temperature to yield common potential temperature-salinity pairs. The salinities for NBP92-1 were found to be 0.005 lower than those for NBP92-2. The NBP92-1 salinities were adjusted accordingly.

## Personnel

Table 4. NBP92-1 CTD data collection team

Name	Affiliation
R. Guerrero*	INIDEP
D. Martinson	LDEO
R. Weppernig*	LDEO

## NBP922 -Recovery Cruise

Recovery of ISW-1 was planned for early June, when the floe had drifted far enough north to enable access by ice breakers. After meeting inside the ice edge on 25 May, 1992, the *Fedorov* and *N B Palmer* together made their way to the floe and commenced recovery operations on 4 June, at 66°S, 52°W. Because the most urgent requirement was the recovery of ISW-1, plans for a CTD section from *N B Palmer* were deferred, with 3 stations occupied on the way to ISW, and 14 taken on the outbound leg.

## Instrumentation

The *Palmer's* CTD package, as configured during NBP92-1, was modified for this cruise by replacing the CTD with the LDEO NBIS MKIII used during AQ92, and by replacing the failed ASA rosette pylon with a working unit from LDEO. Water samples were obtained with GO lever-action 10 liter bottles, which performed very well during the 17 casts made. In spite of air temperatures below -25°C, the CTD suffered no ill effects from being deployed in winter conditions, owing largely to the *Palmer's* Baltic room design for the CTD deployment. Water samples were drawn for salinity, dissolved oxygen, CFC, <sup>18</sup>O, <sup>14</sup>C and Ba. The CFC samples were saved in flame sealed glass ampoules for later analysis at LDEO (W. Smethie). The latter 3 tracers were stored for return to LDEO for analysis. Dissolved oxygen was analyzed using a modified Winkler titration method. Salinity determinations were made on the *Palmer's* Guildline 8400B salinometer for stations 1-3 and on LDEO's 8400A salinometer from ISW-1 for the remaining stations. IAPSO standard sea water batch P115 was used throughout. Both salinometers were installed in the *Palmer's* aft hydro lab, where ambient temperature control was poor. The

LDEO 8400A salinometer seemed to perform better than the *Palmer's* 8400B under these adverse conditions, so the 8400A was used when it became available after recovery of ISW-1.

### Data Processing

Processing of the data generally followed the protocol outlined above for cruise AQ92.

### Personnel

Name	Affiliation
A. Gordon (Ch. Sci)	LDEO
J. Albaracin	LDEO
N. Bagriantsev	AARI
H. Baker	ASA
D. Byrne	LDEO
R. Schwartz	TORRANCE, CA*
J. Evans	ASA
A. Ffield	LDEO
C. Griffith	TORRANCE, CA*
B. Huber	LDEO
G. Mathieu	LDEO
P. Mele	LDEO
E. Morales	U. N. TEXAS*
R. Thomas	U. N. TEXAS**
W. Weber	ASA
K. Wood	ASA

\* NSF Young Scholars Program participant

\*\* NSF Young Scholars Program teacher

### Data Listings and Plots

Data from each component are reported in tabular form and presented in plots on facing pages. The tables report the CTD data at standard levels, followed by data derived from bottle samples accompanied by the corresponding CTD pressure and temperature. The potential temperature reported with the bottle data uses bottle salinity in the calculation if available. Times reported in the header are GMT. Bottom depths are reported in corrected meters. Station location for each set of pages is indicated in the inset map as a large dot. Bottle-derived salinity values are plotted as dots with the CTD profiles. Except as noted above, the CTD traces are from the downcast, while the bottles were tripped on the upcast. For the AQ92, NBP92-1 and NBP92-2 cruises, many casts exceeded 320 decibars. Full-depth profiles are presented for these casts in a section following the data tabulations.

Property-property plots are presented for each component. The data for the components are superimposed on the property-property distribution for the entire data set (in gray).

Computer contoured sections are also presented at the end of the report.

Table headings have the following meanings:

Heading	Meaning
PRES	Pressure in decibars
TEMPER	Temperature (IPTS-68) in °C
POTTEM	Potential temperature
SLINTY	Salinity (PSS-78)
SGMA-0	Potential density anomaly, referenced to 0 decibars
SGMA-1	Potential density anomaly, referenced to 1000 decibars
SGMA-2	Potential density anomaly, referenced to 2000 decibars
BR-VA	Brunt-Vaisala frequency in cycles/h
ANOM	Specific volume anomaly ( $\text{m}^3/\text{kg} \times 10^8$ )
OXYG	Dissolved oxygen concentration (ml/l)

## Acknowledgments

Ice Station Weddell was an enormous undertaking which certainly could not have been successful without the cooperation of many groups and individuals. We are indebted to the participants of ISW-1 from all institutions, without whom no data could have been collected. A complete list of participants is given in Gordon and Lukin (1992). We are grateful to the officers, crew and scientific staff of the *Akademik Fedorov* (AARI) and *Nathaniel B. Palmer* (ASA). Our Russian colleagues deserve special mention for their unflagging enthusiasm for the project in the face of nothing less than revolutionary changes at home. John Evans of ASA and Jay Ar dai of LDEO deserve our special thanks for nursing the project through several near catastrophes and for generally making it go.

The CTD program was funded by NSF grant DPP90 24755, A. Gordon PI.

## References

- Gordon, A. L. and Ice Station Weddell Group of Principal Investigators and Chief Scientists, 1993, Weddell Sea Exploration from Ice Station, EOS, Trans. AGU, 74(11), 121 and 124-126.
- Gordon, A. L. and V. Lukin, 1992, Ice Station Weddell #1, Antarctic Journal of the U.S., 27(5), 97-99.
- Gordon, A. L. and B. A. Huber, 1992, Ice Station Weddell #1, Thermohaline stratification, Antarctic Journal of the U. S., 27(5), 100-102.
- Gordon, A. L., D. G. Martinson, and B. A. Huber, 1992, Physical oceanography studies on Akademik Fedorov and Nathaniel B. Palmer 92-1 and 92-2 in support of Ice Station Weddell #1, Antarctic Journal of the U. S., 27(5), 99-100.

## Appendices

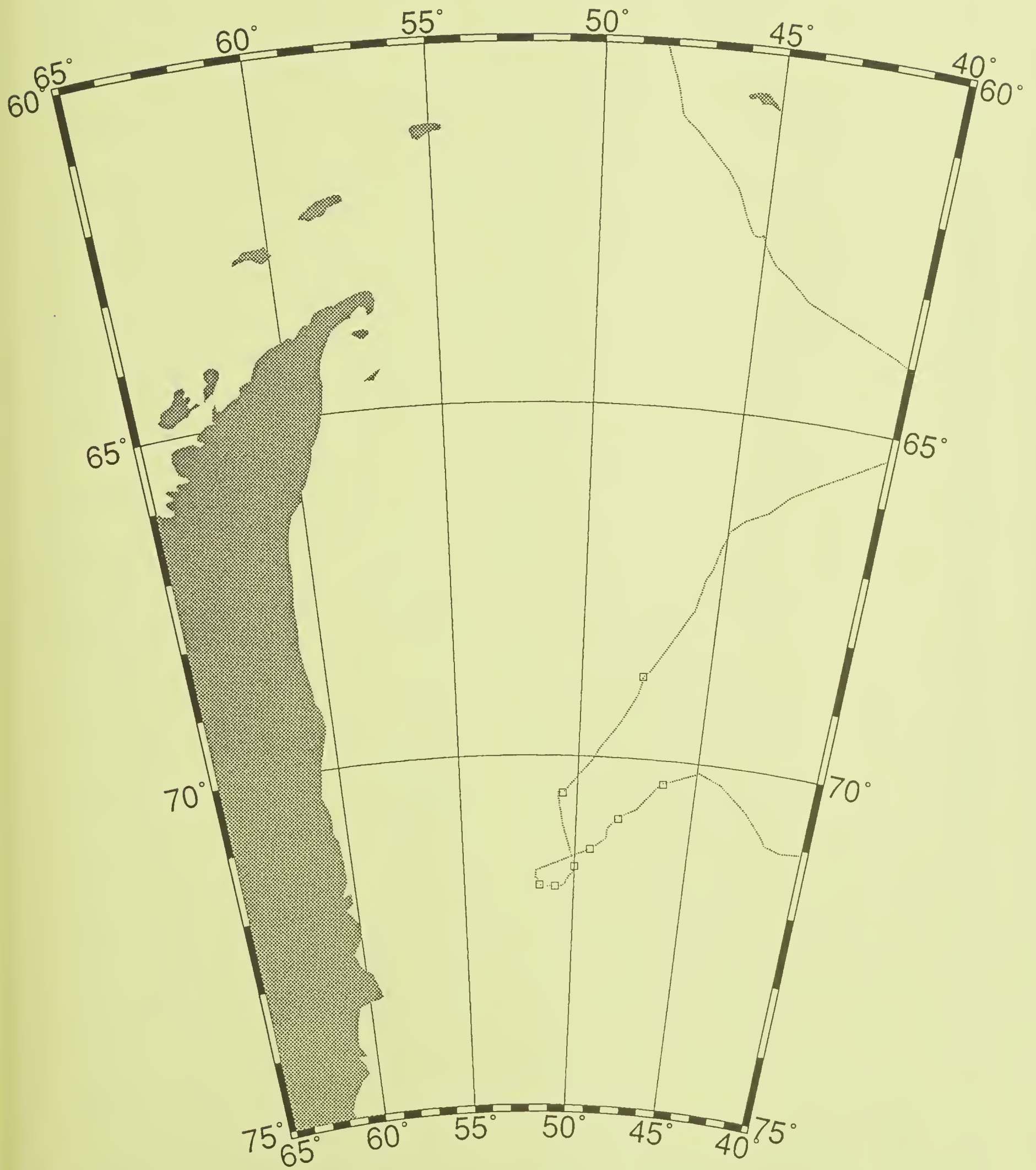
### Participating Institutions

Abbreviation	Institution
LDEO	Lamont Doherty Earth Observatory of Columbia University, Palisades, NY USA
AARI	Arctic and Antarctic Research Institute, St. Petersburg, Russia
ASA	Antarctic Support Associates, Englewood CO USA
EVERGREEN	Evergreen Helicopters of Alaska, Inc.
INIDEP	Fisheries Institute, Mar del Plata, Argentina

### Data Availability

The data have been submitted to NODC, and are available via anonymous ftp to the Lamont ftp area: [ldeo.columbia.edu](ftp://ldeo.columbia.edu). The data sets can be found in subdirectory `wagner/ISW`.

# Ak. Fedorov Deployment







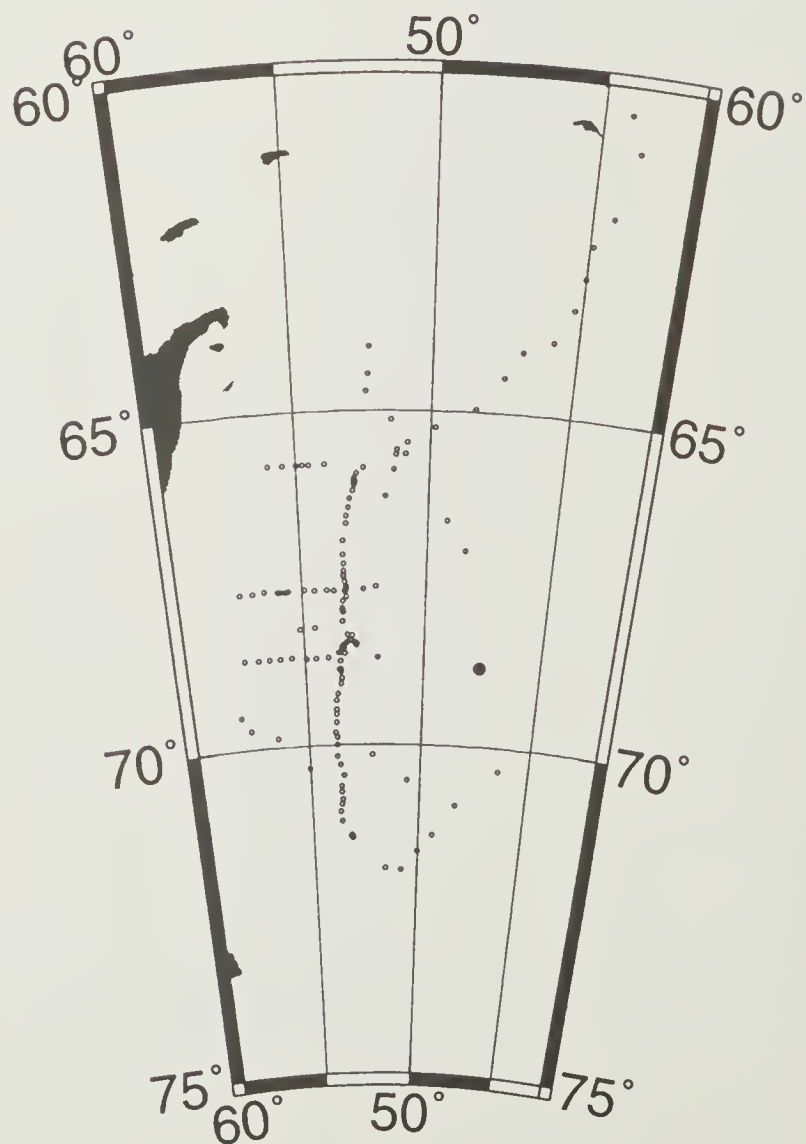


AQ92 -68.8195 -47.5887 92/02/02 33 12:10 AQ92 STA# 1  
 PRES TEMPER POTTEM SLINTY SGMA-0 SGMA-1 SGMA-2 BR-VA ANOMA

0	-1.732
10	-1.737
20	-1.736
30	-1.758
40	-1.765
50	-1.778
60	-1.791
70	-1.791
80	-1.795
90	-1.791
100	-1.786
110	-1.748
120	-1.702
130	-1.642
140	-1.507
150	-1.311
160	-1.086
170	-0.853
180	-0.652
190	-0.434
200	-0.216
210	-0.166
220	0.053
230	0.063
240	0.072
250	0.138
260	0.176
270	0.18
280	0.269
290	0.283
300	0.289
325	0.285
350	0.335
375	0.335
400	0.334
425	0.389
450	0.388
475	0.389
500	0.456
550	0.462
600	0.492
650	0.494
700	0.491
750	0.471
800	0.447
850	0.424
900	0.399
950	0.378
1000	0.341
1100	0.301
1200	0.259
1300	-0.218
1400	0.175
1500	0.132
1600	0.093
1700	0.056
1800	0.022
1900	-0.012
2000	-0.041
2100	-0.069
2200	-0.096
2300	-0.119
2400	-0.14
2500	-0.158
2600	-0.172
2700	-0.186
2800	-0.2
2900	-0.209
3000	-0.22
3200	-0.245
3360	-0.36

PRES	TEMPER	POTEMP	SLINTY	OXYG
10	-1.735			
80	-1.783			
306	0.305	0.293	34.662	
490	0.366	0.345	34.688	4.768
760	0.466	0.431	34.662	4.711
1010	0.356	0.308	34.685	4.687
1466	0.153	0.080	34.671	5.045
2007	-0.044	-0.150	34.673	5.151
2494	-0.156	-0.295	34.662	5.315
2991	-0.219	-0.397	34.662	5.430
3295	-0.271	-0.474	34.660	
3353	-0.344	-0.550	34.656	

# AQ92 1



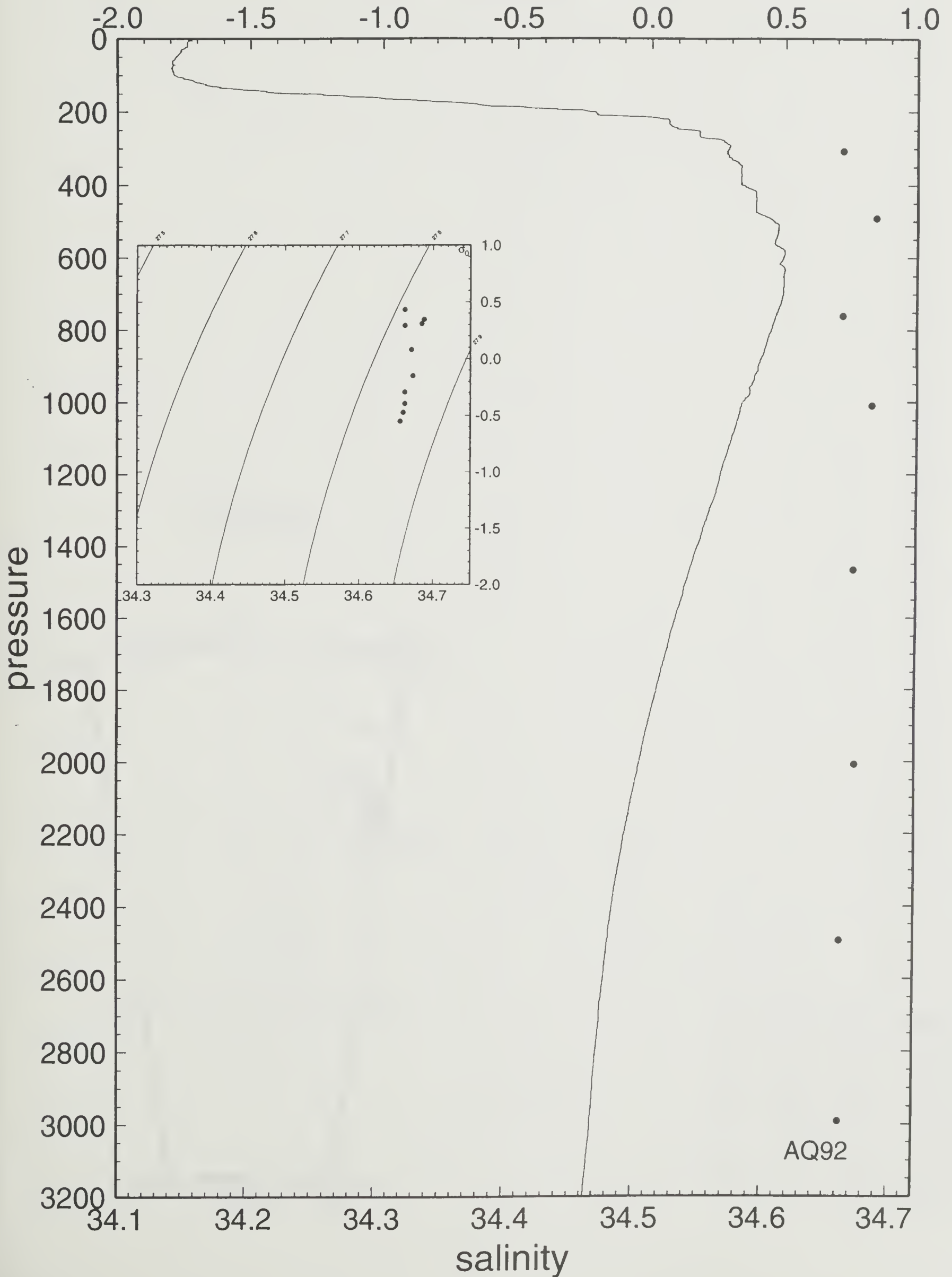
1

92/02/02 12:10

68 49.17 S 47 35.32 W

AQ92

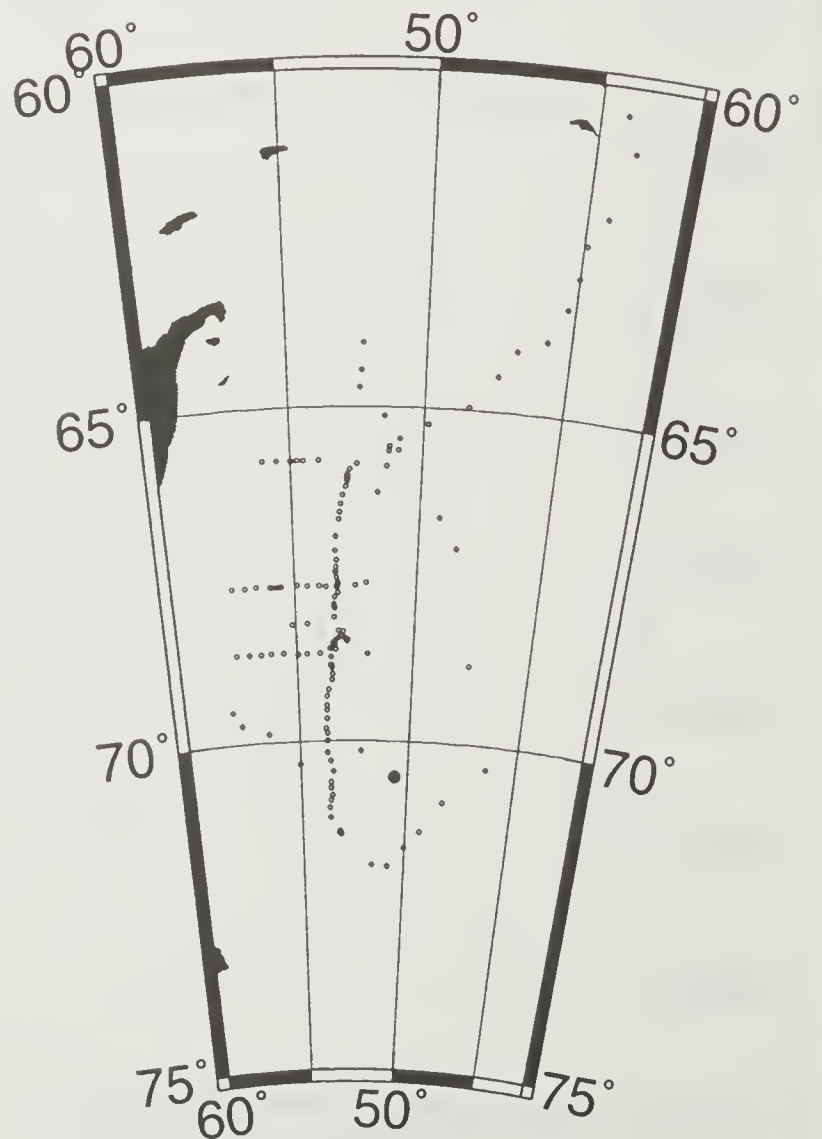
# temperature



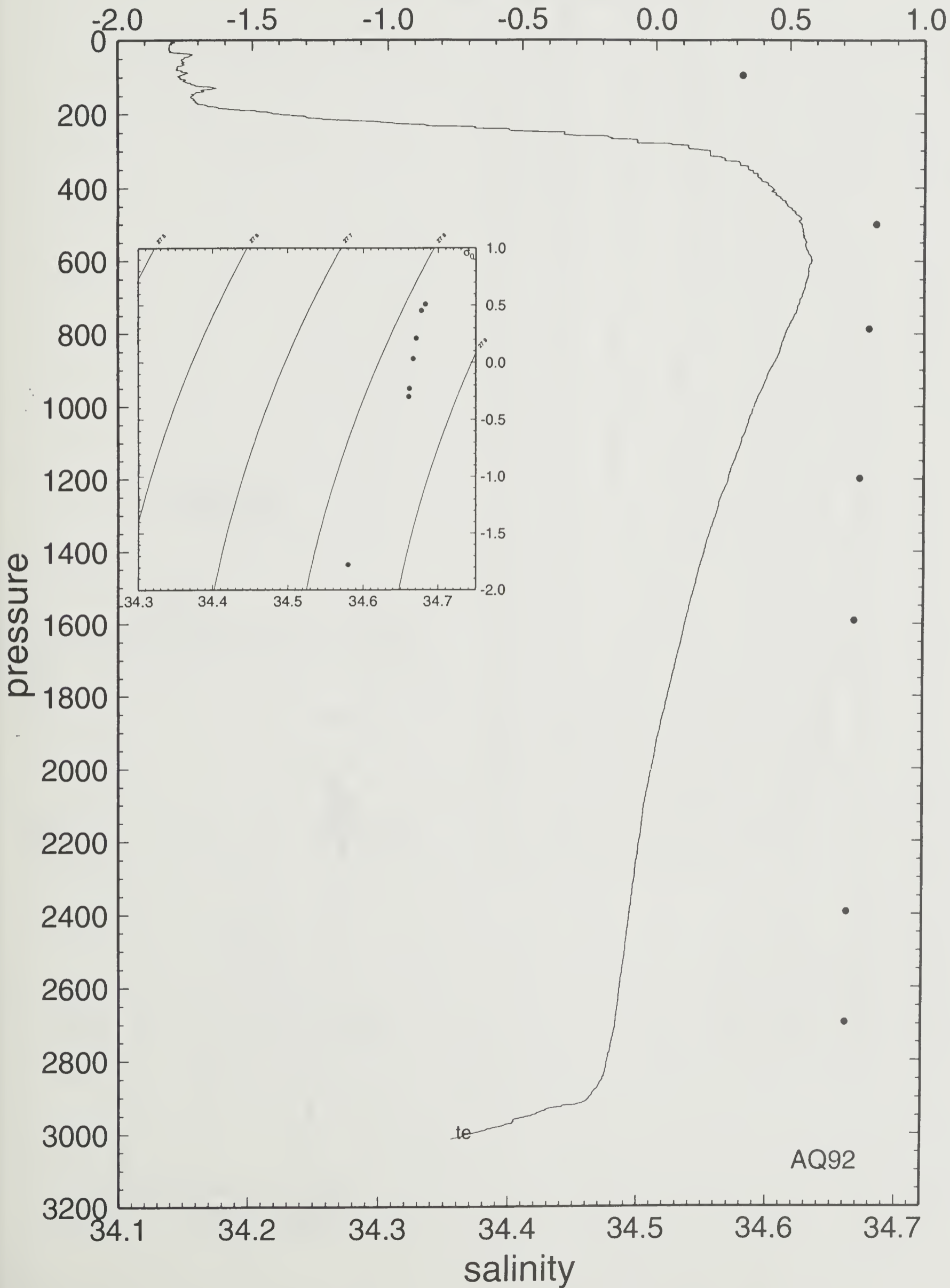
AQ92	-70.5338	-50.6228	92/02/03	999	06:56	AQ92	STA#	2
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.795							
10	-1.805							
20	-1.81							
30	-1.803							
40	-1.722							
50	-1.753							
60	-1.751							
70	-1.774							
80	-1.781							
90	-1.743							
100	-1.773							
110	-1.752							
120	-1.722							
130	-1.631							
140	-1.696							
150	-1.721							
160	-1.715							
170	-1.705							
180	-1.646							
190	-1.516							
200	-1.407							
210	-1.298							
220	-1.057							
230	-0.864							
240	-0.56							
250	-0.344							
260	-0.181							
270	-0.071							
280	0.043							
290	0.116							
300	0.198							
325	0.254							
350	0.343							
375	0.39							
400	0.434							
425	0.465							
450	0.49							
475	0.531							
500	0.543							
550	0.56							
600	0.581							
650	0.564							
700	0.543							
750	0.515							
800	0.483							
850	0.462							
900	0.426							
950	0.399							
1000	0.369							
1100	0.32							
1200	0.272							
1300	0.225							
1400	0.181							
1500	0.144							
1600	0.108							
1700	0.077							
1800	0.045							
1900	0.015							
2000	-0.012							
2100	-0.041							
2200	-0.059							
2300	-0.075							
2400	-0.095							
2500	-0.11							
2600	-0.129							
2700	-0.146							
2800	-0.176							
2900	-0.243							
3000	-0.698							
3010	-0.744							

PRES	TEMPER	POTEMP	SLINTY	OXYG
8	-1.812			
94	-1.776	-1.778	34.580	5.599
251	-0.350			
500	0.531	0.509	34.683	4.799
787	0.490	0.454	34.678	4.787
1197	0.270	0.212	34.671	4.955
1592	0.112	0.032	34.667	5.173
1994	-0.007			
2394	-0.094	-0.227	34.662	5.192
2697	-0.145	-0.300	34.661	5.354
2961	-0.522			
3009	-0.742			

AQ92 2

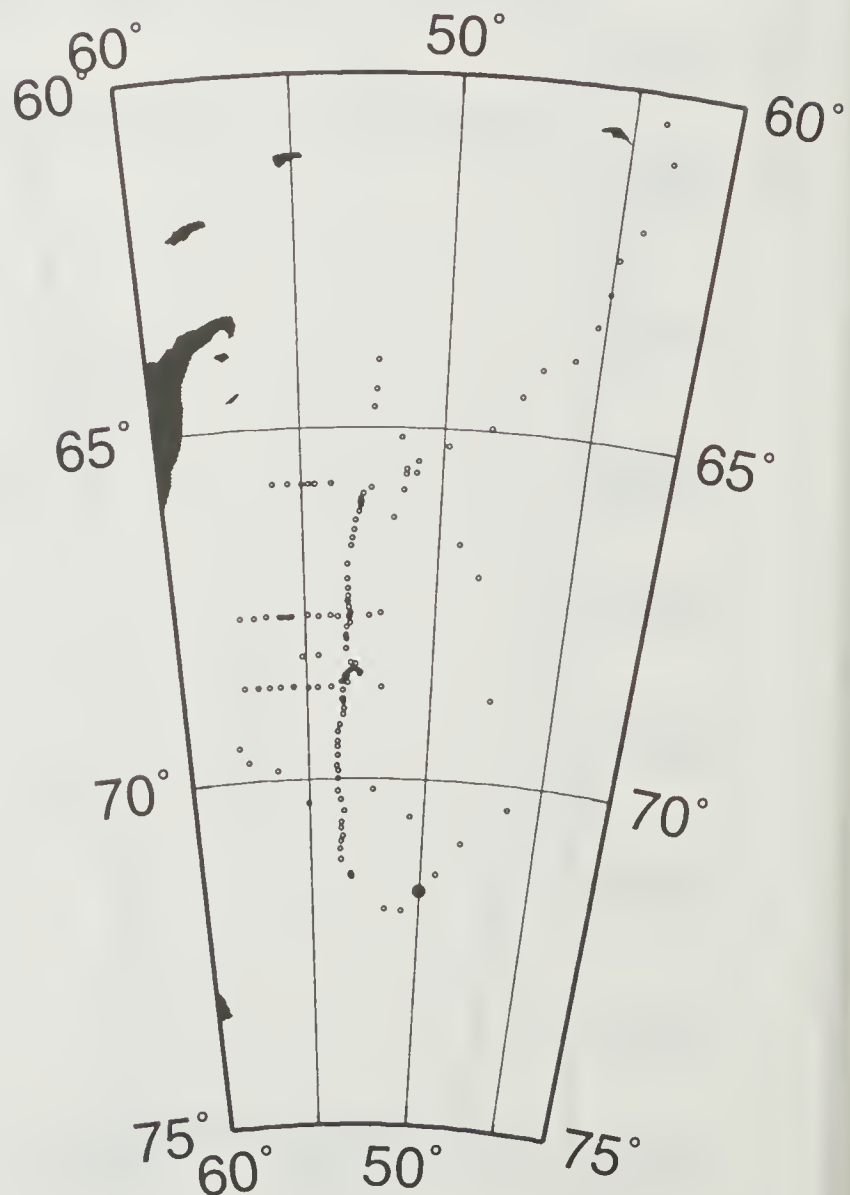


# temperature



AQ92	-71.5997	-50.0088	92/02/04	999	14:37	AQ92	STA#	3
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.766	-1.766	34.012	27.377	32.148	36.812	0.00	69.1
10	-1.804	-1.804	34.018	27.383	32.155	36.820	1.36	68.4
20	-1.798	-1.798	34.028	27.391	32.163	36.827	1.58	67.6
30	-1.719	-1.720	34.287	27.599	32.366	37.026	8.08	47.8
40	-1.765	-1.766	34.328	27.634	32.402	37.063	3.29	44.5
50	-1.790	-1.791	34.338	27.643	32.412	37.073	1.66	43.6
60	-1.812	-1.813	34.342	27.646	32.416	37.078	1.10	43.2
70	-1.823	-1.824	34.348	27.652	32.422	37.084	1.28	42.6
80	-1.818	-1.820	34.354	27.656	32.426	37.089	1.22	42.1
90	-1.816	-1.818	34.353	27.655	32.425	37.088	-0.52	42.1
100	-1.812	-1.814	34.358	27.659	32.429	37.091	1.11	41.7
110	-1.803	-1.805	34.363	27.663	32.433	37.094	1.09	41.3
120	-1.800	-1.802	34.367	27.666	32.436	37.097	1.00	40.9
130	-1.782	-1.785	34.372	27.670	32.439	37.100	1.05	40.5
140	-1.763	-1.766	34.376	27.673	32.441	37.101	0.91	40.2
150	-1.751	-1.754	34.379	27.675	32.442	37.103	0.80	40.0
160	-1.732	-1.735	34.383	27.678	32.445	37.104	0.91	39.7
170	-1.697	-1.701	34.386	27.679	32.445	37.103	0.63	39.5
180	-1.662	-1.666	34.392	27.683	32.448	37.105	1.07	39.1
190	-1.610	-1.614	34.398	27.686	32.449	37.105	0.98	38.7
200	-1.669	-1.673	34.401	27.691	32.455	37.113	1.19	38.2
210	-1.526	-1.531	34.414	27.697	32.457	37.110	1.30	37.7
220	-1.415	-1.420	34.421	27.699	32.456	37.105	0.67	37.5
230	-1.346	-1.352	34.431	27.705	32.459	37.107	1.29	37.0
240	-1.312	-1.318	34.436	27.708	32.461	37.107	0.91	36.7
250	-1.303	-1.309	34.437	27.708	32.461	37.107	0.37	36.6
260	-1.489	-1.495	34.436	27.714	32.472	37.124	1.45	35.9
270	-1.094	-1.102	34.462	27.721	32.468	37.107	1.16	35.4
280	-0.956	-0.964	34.474	27.726	32.468	37.103	1.02	35.1
290	-0.868	-0.877	34.484	27.730	32.470	37.102	1.10	34.7
300	-0.706	-0.715	34.501	27.737	32.472	37.099	1.32	34.1
325	-0.387	-0.398	34.535	27.751	32.475	37.093	1.13	33.1
350	-0.143	-0.156	34.561	27.760	32.477	37.087	0.91	32.5
375	0.045	0.030	34.582	27.767	32.478	37.083	0.81	32.0
400	0.230	0.214	34.607	27.777	32.483	37.082	1.00	31.2
425	0.313	0.295	34.617	27.781	32.484	37.081	0.55	31.0
450	0.348	0.329	34.624	27.785	32.486	37.082	0.64	30.7
475	0.402	0.382	34.634	27.790	32.490	37.084	0.73	30.3
500	0.467	0.445	34.643	27.793	32.491	37.084	0.57	30.1
550	0.517	0.493	34.652	27.798	32.494	37.085	0.48	29.8
600	0.558	0.531	34.660	27.802	32.497	37.087	0.47	29.6
650	0.597	0.567	34.666	27.804	32.499	37.088	0.35	29.4
700	0.611	0.578	34.672	27.809	32.503	37.091	0.49	29.1
750	0.586	0.551	34.673	27.811	32.506	37.095	0.44	28.9
800	0.569	0.531	34.675	27.814	32.509	37.099	0.45	28.7
850	0.537	0.497	34.674	27.815	32.512	37.102	0.36	28.6
900	0.509	0.466	34.674	27.817	32.514	37.106	0.40	28.4
950	0.478	0.433	34.674	27.819	32.517	37.110	0.42	28.2
1000	0.452	0.404	34.674	27.821	32.520	37.113	0.39	28.0
1100	0.386	0.333	34.673	27.824	32.525	37.121	0.41	27.6
1200	0.324	0.266	34.669	27.825	32.528	37.125	0.30	27.4
1300	0.250	0.186	34.666	27.827	32.532	37.132	0.39	27.0
1400	0.197	0.128	34.665	27.829	32.536	37.138	0.38	26.6
1500	0.131	0.057	34.662	27.830	32.540	37.143	0.38	26.3
1600	0.063	-0.017	34.660	27.833	32.544	37.150	0.42	25.8
1700	-0.021	-0.106	34.656	27.834	32.549	37.157	0.43	25.2
1800	-0.121	-0.211	34.650	27.835	32.552	37.164	0.43	24.7
1900	-0.305	-0.399	34.636	27.832	32.556	37.173	0.51	23.9
2000	-0.462	-0.560	34.625	27.831	32.559	37.181	0.50	23.0
2100	-0.733	-0.833	34.609	27.830	32.567	37.197	0.70	21.4
2175	-1.164	-1.262	34.592	27.832	32.583	37.226	1.13	18.4
PRES	TEMPER	POTEMP	SLINTY	OXYG				
399	0.198							
600	0.555	0.528	34.682	4.761				
799	0.562	0.524	34.681	4.788				
988	0.457	0.410	34.675	4.530				
1235	0.300	0.240	34.672	4.977				
1482	0.142	0.068	34.671	4.959				
1707	-0.034	-0.120	34.659	5.107				
1938	-0.323	-0.419	34.642	5.581				
2065	-0.677	-0.776	34.616	6.043				
2176	-1.184	-1.282	34.593	6.601				

## AQ92 3



3

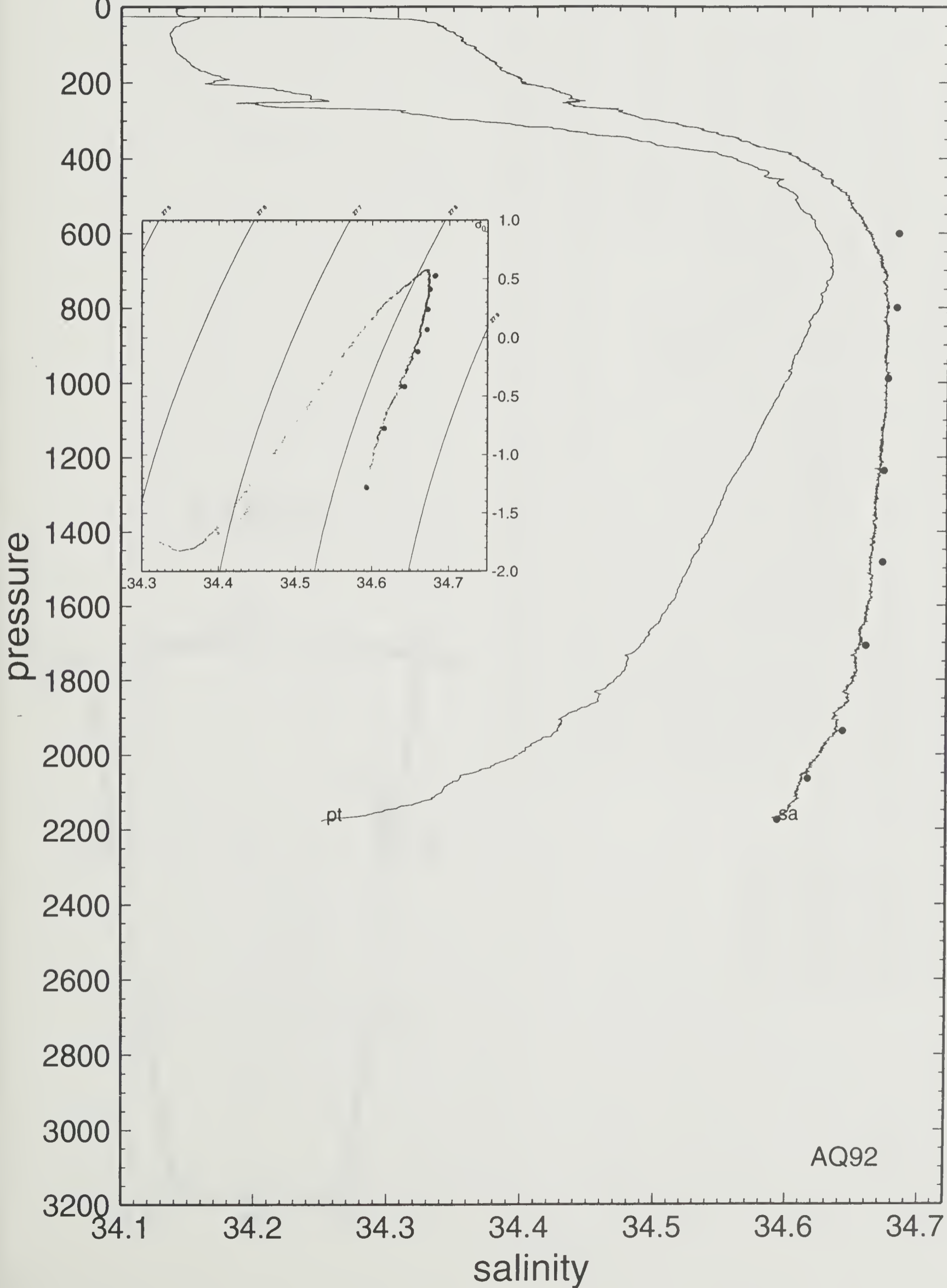
92/02/04 14:37

71 35.98 S 50 0.53 W

AQ92

### potential temperature

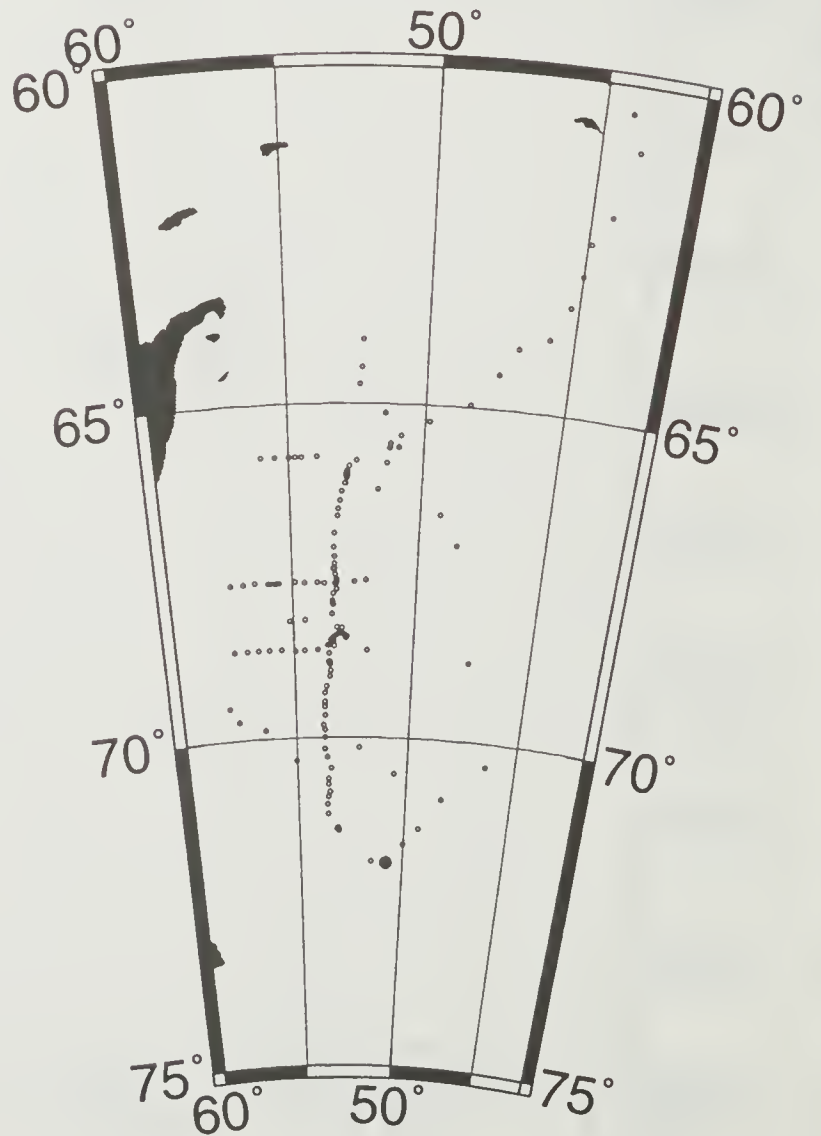
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AQ92	-71.8793	-50.8345	92/02/08	999	10:44	AQ92	STA#	4
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.791	-1.791	34.073	27.427	32.199	36.863	0.00	64.3
10	-1.830	-1.830	34.035	27.397	32.170	36.836	-3.06	67.1
20	-1.829	-1.829	34.049	27.409	32.181	36.847	1.89	65.9
30	-1.826	-1.827	34.051	27.410	32.183	36.848	0.70	65.7
40	-1.817	-1.818	34.075	27.429	32.202	36.866	2.46	63.8
50	-1.766	-1.767	34.295	27.607	32.376	37.037	7.45	47.0
60	-1.802	-1.803	34.322	27.630	32.399	37.062	2.68	44.7
70	-1.827	-1.828	34.330	27.637	32.407	37.070	1.50	44.0
80	-1.834	-1.836	34.333	27.640	32.410	37.073	0.91	43.7
90	-1.847	-1.849	34.335	27.642	32.413	37.076	0.79	43.4
100	-1.854	-1.856	34.335	27.642	32.413	37.077	0.26	43.3
110	-1.856	-1.858	34.338	27.644	32.416	37.079	0.88	43.0
120	-1.856	-1.858	34.339	27.645	32.416	37.080	0.51	42.9
130	-1.847	-1.850	34.340	27.646	32.417	37.080	0.41	42.8
140	-1.841	-1.844	34.346	27.650	32.421	37.084	1.21	42.3
150	-1.834	-1.837	34.348	27.652	32.422	37.085	0.67	42.1
160	-1.817	-1.820	34.352	27.655	32.425	37.087	0.92	41.8
170	-1.814	-1.817	34.354	27.656	32.426	37.088	0.69	41.6
180	-1.828	-1.832	34.356	27.658	32.428	37.091	0.81	41.3
190	-1.804	-1.808	34.361	27.662	32.431	37.093	1.01	40.9
200	-1.814	-1.818	34.366	27.666	32.436	37.098	1.17	40.5
210	-1.789	-1.793	34.370	27.669	32.438	37.099	0.87	40.2
220	-1.776	-1.781	34.375	27.672	32.441	37.102	1.06	39.8
230	-1.760	-1.765	34.376	27.673	32.441	37.101	0.29	39.7
240	-1.772	-1.777	34.381	27.677	32.445	37.106	1.18	39.2
250	-1.771	-1.776	34.382	27.678	32.446	37.107	0.50	39.1
260	-1.757	-1.763	34.385	27.680	32.448	37.108	0.78	38.8
270	-1.734	-1.740	34.389	27.683	32.450	37.109	0.87	38.6
280	-1.682	-1.688	34.394	27.685	32.451	37.109	0.82	38.3
290	-1.663	-1.670	34.397	27.687	32.452	37.109	0.73	38.1
300	-1.655	-1.662	34.401	27.690	32.455	37.112	0.96	37.7
325	-1.584	-1.592	34.413	27.698	32.460	37.115	0.93	37.0
350	-1.549	-1.558	34.424	27.706	32.467	37.120	0.97	36.1
375	-1.351	-1.361	34.443	27.715	32.470	37.117	0.93	35.4
400	-1.093	-1.105	34.464	27.723	32.469	37.109	0.78	34.8
425	-0.911	-0.924	34.484	27.732	32.473	37.107	0.93	34.1
450	-0.696	-0.711	34.508	27.743	32.477	37.104	0.98	33.3
475	-0.602	-0.618	34.522	27.750	32.481	37.106	0.86	32.7
500	-0.310	-0.328	34.552	27.761	32.483	37.099	0.90	32.0
550	0.041	0.019	34.594	27.778	32.489	37.094	0.82	31.0
600	0.151	0.126	34.607	27.782	32.490	37.092	0.42	30.7
650	0.294	0.266	34.629	27.792	32.496	37.094	0.67	30.0
700	0.352	0.321	34.641	27.799	32.501	37.097	0.58	29.5
750	0.377	0.343	34.647	27.802	32.504	37.099	0.44	29.3
800	0.335	0.299	34.648	27.806	32.508	37.105	0.52	28.9
850	0.244	0.206	34.644	27.808	32.513	37.112	0.52	28.6
900	0.043	0.004	34.631	27.808	32.520	37.125	0.60	28.0
950	-0.002	-0.044	34.633	27.812	32.525	37.132	0.58	27.5
1000	-0.011	-0.055	34.635	27.814	32.528	37.135	0.40	27.3
1100	-0.235	-0.282	34.625	27.818	32.538	37.152	0.58	26.2
1200	-0.413	-0.464	34.618	27.821	32.546	37.166	0.54	25.3
1300	-0.492	-0.548	34.618	27.825	32.553	37.174	0.47	24.5
1400	-0.597	-0.657	34.620	27.831	32.563	37.187	0.58	23.3
1500	-0.783	-0.846	34.610	27.831	32.568	37.199	0.51	22.3
1600	-1.534	-1.593	34.587	27.839	32.600	37.253	1.17	17.9
1615	-1.602	-1.661	34.588	27.842	32.605	37.260	1.14	17.3

PRES	TEMPER	POTEMP	SLINTY	OXYG
86	-1.853			
151	-1.830			
545	-0.074	-0.096	34.653	6.500
746	0.382	0.348	34.640	5.420
995	-0.018	-0.062	34.642	5.400
1148	-0.311	-0.360	34.628	5.790
1245	-0.420	-0.473	34.625	5.478
1342	-0.535	-0.592	34.622	5.910
1443	-0.676	-0.737	34.617	6.100
1541	-0.963	-1.026	34.603	6.370
1616	-1.619	-1.678	34.590	6.980

## AQ92 4





4

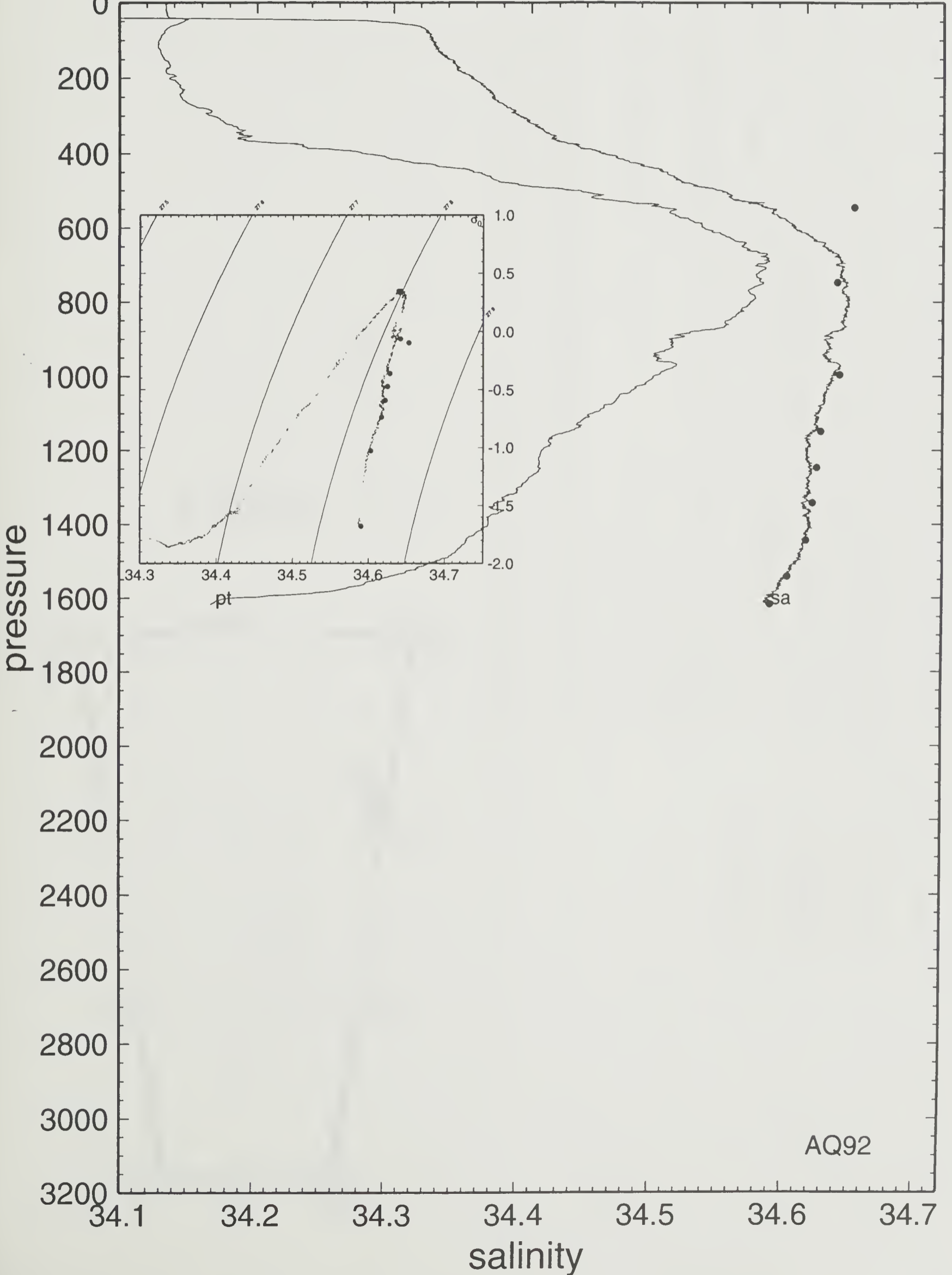
92/02/08 10:44

71 52.76 S 50 50.07 W

AQ92

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AQ92

AQ92	-71.8672	-51.5697	92/02/10	999 11:19	AQ92	STA#	5	
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.700	-1.700	32.355	26.028	30.812	35.489	0.00	197.0
10	-1.853	-1.853	34.060	27.418	32.192	36.858	20.86	65.1
20	-1.846	-1.846	34.084	27.437	32.211	36.876	2.46	63.2
30	-1.830	-1.831	34.155	27.495	32.267	36.931	4.24	57.7
40	-1.816	-1.817	34.236	27.560	32.331	36.994	4.53	51.4
50	-1.792	-1.793	34.314	27.623	32.392	37.054	4.43	45.4
60	-1.798	-1.799	34.325	27.632	32.402	37.064	1.69	44.5
70	-1.795	-1.796	34.336	27.641	32.410	37.072	1.67	43.6
80	-1.805	-1.807	34.343	27.647	32.417	37.079	1.37	43.0
90	-1.817	-1.819	34.345	27.649	32.419	37.081	0.79	42.7
100	-1.821	-1.823	34.349	27.652	32.422	37.085	1.03	42.4
110	-1.819	-1.821	34.350	27.653	32.423	37.086	0.49	42.2
120	-1.817	-1.819	34.358	27.660	32.429	37.092	1.42	41.6
130	-1.825	-1.828	34.361	27.662	32.432	37.095	0.92	41.2
140	-1.819	-1.822	34.363	27.664	32.434	37.096	0.67	41.0
150	-1.811	-1.814	34.369	27.668	32.438	37.100	1.20	40.5
160	-1.813	-1.816	34.372	27.671	32.440	37.103	0.89	40.3
170	-1.809	-1.813	34.372	27.671	32.440	37.102	-0.19	40.2
180	-1.799	-1.803	34.377	27.675	32.444	37.105	1.08	39.8
190	-1.790	-1.794	34.381	27.678	32.446	37.108	0.96	39.5
200	-1.778	-1.782	34.383	27.679	32.447	37.108	0.62	39.3
210	-1.761	-1.766	34.389	27.683	32.451	37.112	1.16	38.8
220	-1.757	-1.762	34.389	27.683	32.451	37.111	-0.20	38.8
230	-1.747	-1.752	34.392	27.685	32.453	37.113	0.81	38.5
240	-1.701	-1.706	34.398	27.689	32.455	37.113	1.01	38.1
250	-1.724	-1.730	34.399	27.690	32.457	37.116	0.72	37.9
260	-1.714	-1.720	34.402	27.693	32.459	37.118	0.81	37.7
270	-1.705	-1.711	34.404	27.694	32.460	37.119	0.64	37.5
280	-1.665	-1.671	34.410	27.698	32.462	37.120	1.03	37.1
290	-1.619	-1.626	34.413	27.699	32.462	37.118	0.46	37.0
300	-1.608	-1.615	34.418	27.703	32.465	37.121	1.07	36.6
325	-1.602	-1.610	34.424	27.707	32.470	37.125	0.76	36.0
350	-1.478	-1.487	34.434	27.712	32.470	37.122	0.61	35.6
375	-1.252	-1.262	34.456	27.722	32.474	37.118	0.99	34.8
400	-0.939	-0.951	34.485	27.734	32.476	37.110	1.01	33.9
425	-0.869	-0.882	34.494	27.739	32.478	37.111	0.67	33.5
450	-0.583	-0.598	34.522	27.749	32.480	37.104	0.92	32.8
475	-0.337	-0.354	34.549	27.760	32.483	37.099	0.94	32.1
500	-0.190	-0.209	34.567	27.767	32.486	37.098	0.81	31.6
550	0.048	0.026	34.597	27.780	32.491	37.096	0.72	30.8
600	0.065	0.040	34.607	27.787	32.497	37.102	0.66	30.1
650	0.015	-0.012	34.609	27.791	32.503	37.109	0.58	29.6
700	-0.047	-0.076	34.610	27.795	32.509	37.117	0.58	29.1
750	-0.107	-0.138	34.611	27.799	32.515	37.125	0.58	28.6
800	-0.175	-0.208	34.607	27.800	32.518	37.129	0.35	28.3
850	-0.212	-0.247	34.611	27.805	32.524	37.137	0.62	27.7
900	-0.270	-0.307	34.611	27.808	32.529	37.143	0.53	27.3
950	-0.289	-0.328	34.617	27.814	32.535	37.150	0.63	26.6
1000	-0.261	-0.303	34.622	27.816	32.537	37.152	0.36	26.4
1100	-0.403	-0.449	34.621	27.823	32.548	37.166	0.58	25.3
1200	-0.553	-0.603	34.621	27.830	32.559	37.183	0.62	24.0
1300	-0.654	-0.708	34.618	27.832	32.565	37.191	0.44	23.2
1400	-0.942	-0.998	34.605	27.833	32.575	37.210	0.65	21.7
1500	-1.568	-1.622	34.590	27.843	32.604	37.258	1.08	17.9

PRES	TEMPER	POTEMP	SLINTY	OXYG
199	-1.782			
343	-1.430			
597	0.062	0.037	34.613	5.620
787	-0.158	-0.190	34.626	5.680
999	-0.272	-0.314	34.621	5.800
1093	-0.427	-0.472	34.617	5.920
1200	-0.557	-0.607	34.621	5.980
1302	-0.651	-0.705	34.619	6.040
1396	-0.898	-0.954	34.605	6.380
1446	-1.393	-1.446	34.591	6.810
1500	-1.567	-1.621	34.589	6.940

# AQ92 5



5

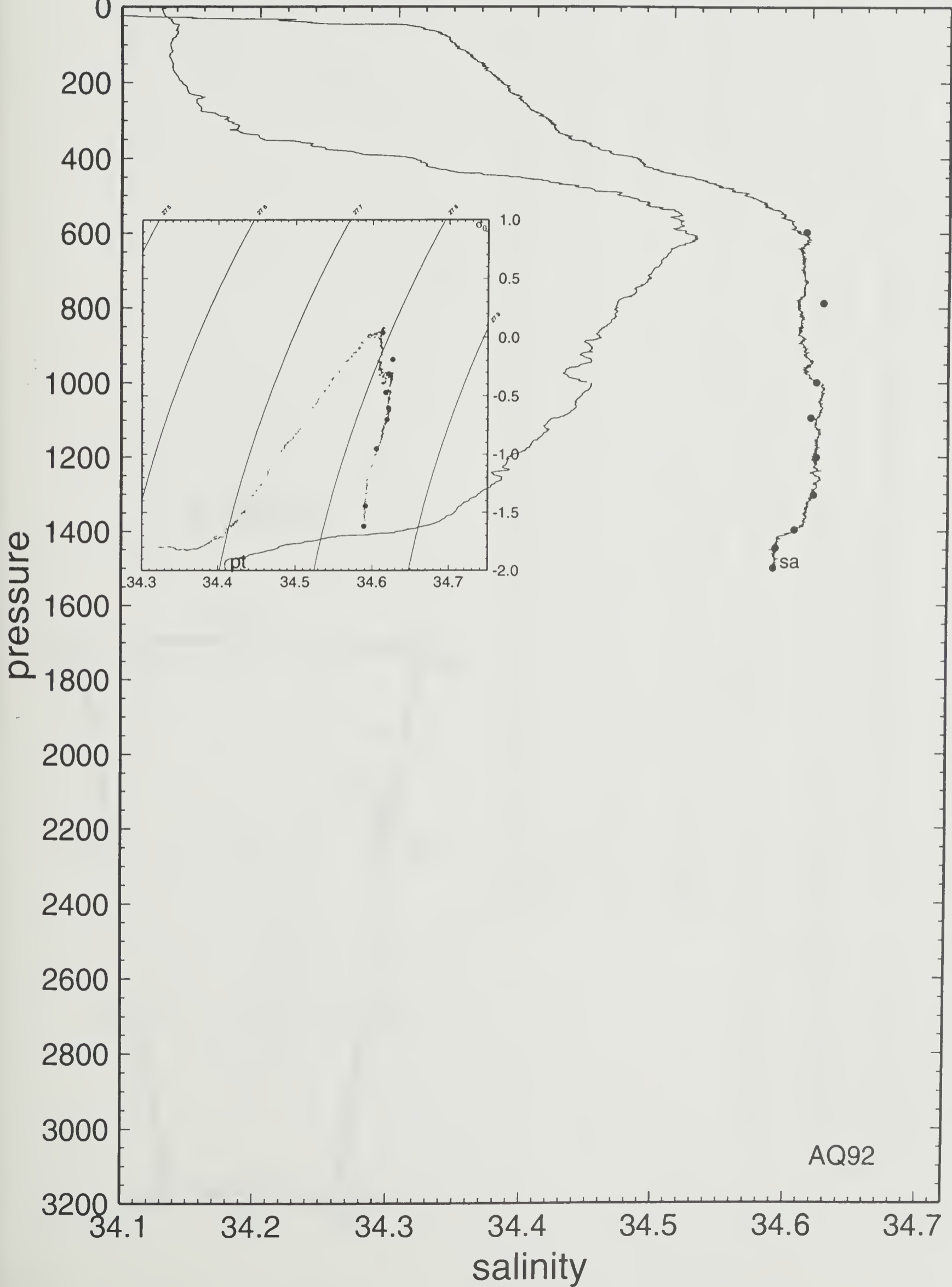
92/02/10 11:19

71 52.03 S 51 34.18 W

AQ92

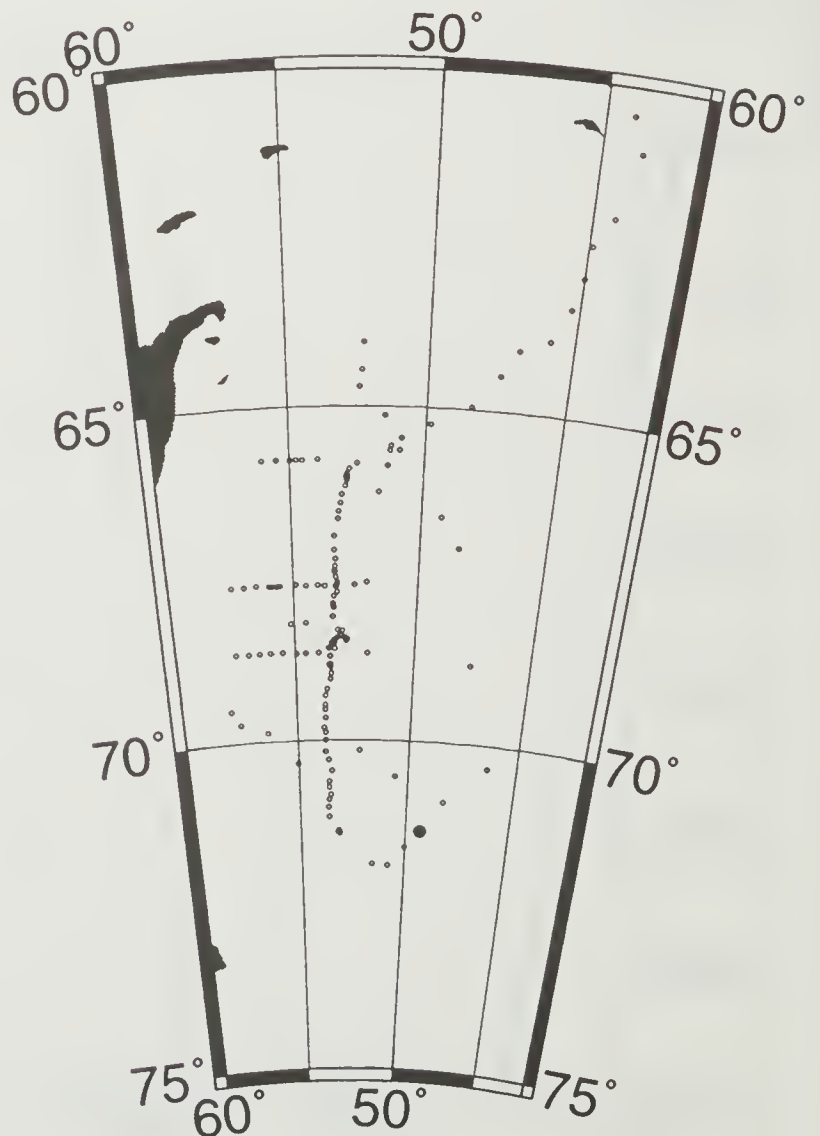
### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



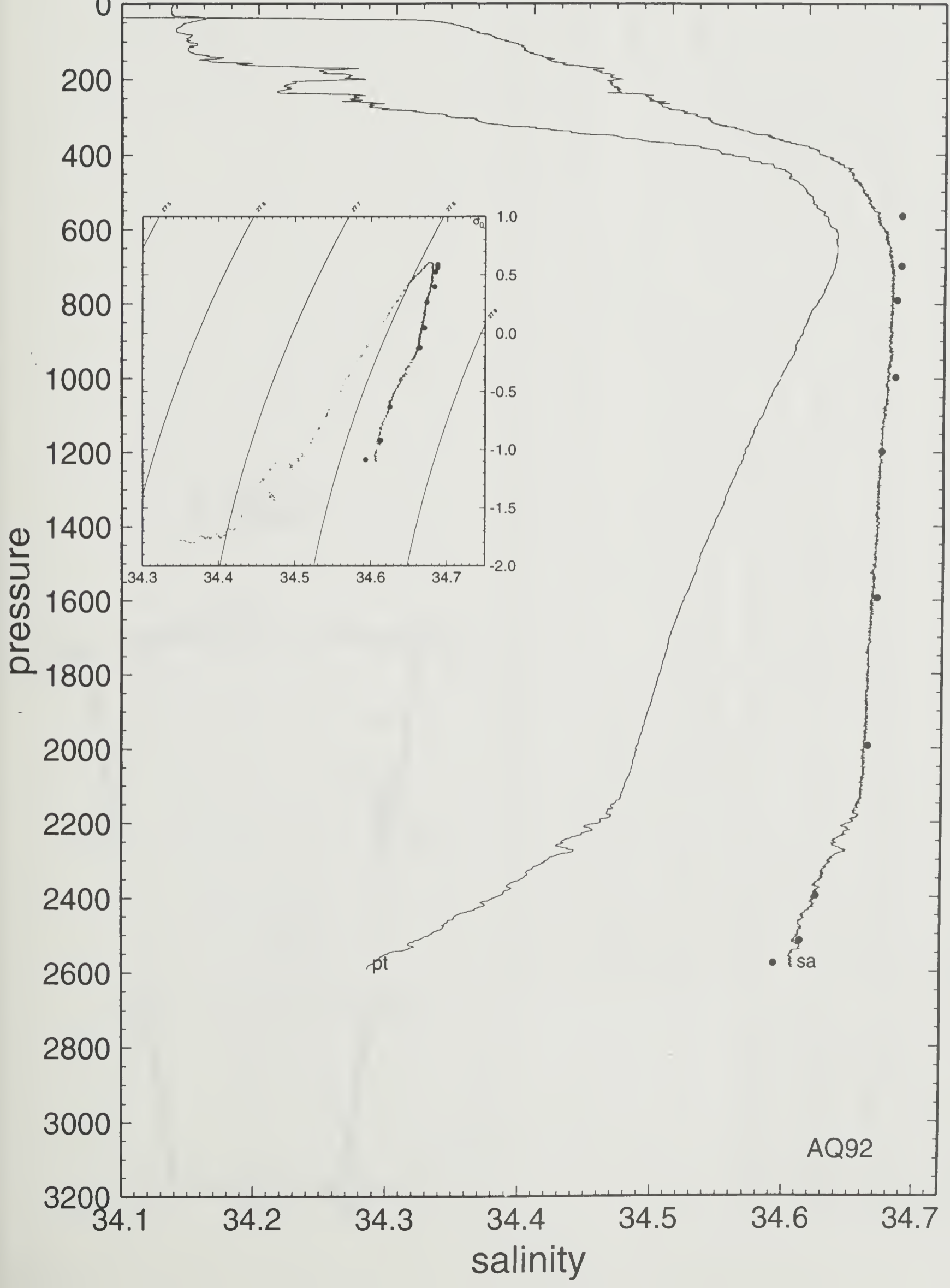
AQ92	-71.3485	-49.3192	92/02/13	999	10:57	AQ92	STA#	6
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.807	-1.807	33.954	27.331	32.104	36.769	0.00	73.4
10	-1.819	-1.819	33.891	27.280	32.054	36.720	-3.99	78.2
20	-1.819	-1.819	33.906	27.292	32.066	36.732	1.95	77.0
30	-1.815	-1.816	33.913	27.298	32.071	36.737	1.32	76.4
40	-1.693	-1.694	34.252	27.570	32.337	36.996	9.23	50.5
50	-1.756	-1.757	34.343	27.646	32.414	37.074	4.87	43.3
60	-1.783	-1.784	34.355	27.656	32.425	37.086	1.82	42.2
70	-1.801	-1.802	34.363	27.663	32.432	37.094	1.48	41.5
80	-1.772	-1.774	34.375	27.672	32.440	37.101	1.67	40.6
90	-1.756	-1.758	34.382	27.677	32.445	37.105	1.28	40.1
100	-1.760	-1.762	34.388	27.682	32.450	37.111	1.25	39.5
110	-1.732	-1.734	34.401	27.692	32.459	37.118	1.74	38.6
120	-1.757	-1.759	34.403	27.695	32.462	37.122	0.87	38.3
130	-1.738	-1.741	34.409	27.699	32.466	37.125	1.16	37.8
140	-1.678	-1.681	34.415	27.702	32.467	37.125	0.96	37.5
150	-1.682	-1.685	34.421	27.707	32.472	37.130	1.25	37.0
160	-1.579	-1.583	34.431	27.712	32.474	37.128	1.20	36.5
170	-1.176	-1.180	34.453	27.717	32.466	37.108	0.88	36.2
180	-1.252	-1.257	34.460	27.725	32.476	37.121	1.66	35.3
190	-1.164	-1.169	34.469	27.729	32.478	37.119	1.07	34.9
200	-1.129	-1.134	34.473	27.731	32.479	37.119	0.74	34.7
210	-1.368	-1.373	34.467	27.735	32.490	37.137	1.25	34.2
220	-1.383	-1.388	34.470	27.738	32.493	37.141	0.97	33.9
230	-1.423	-1.429	34.472	27.741	32.497	37.147	1.00	33.5
240	-1.143	-1.150	34.489	27.745	32.493	37.133	0.81	33.3
250	-1.145	-1.152	34.496	27.751	32.498	37.139	1.34	32.7
260	-1.128	-1.135	34.508	27.760	32.507	37.147	1.67	31.8
270	-1.083	-1.091	34.505	27.756	32.501	37.140	-1.18	32.2
280	-1.045	-1.053	34.510	27.758	32.503	37.140	0.85	32.0
290	-0.876	-0.885	34.523	27.762	32.501	37.134	0.87	31.7
300	-0.797	-0.806	34.532	27.766	32.503	37.133	1.02	31.3
325	-0.585	-0.596	34.551	27.773	32.503	37.126	0.73	30.9
350	-0.190	-0.203	34.585	27.782	32.500	37.111	0.78	30.4
375	0.053	0.038	34.610	27.789	32.500	37.104	0.79	29.9
400	0.222	0.206	34.624	27.792	32.497	37.097	0.16	29.9
425	0.340	0.322	34.640	27.798	32.500	37.096	0.78	29.4
450	0.444	0.425	34.650	27.800	32.499	37.092	0.31	29.4
475	0.482	0.461	34.654	27.801	32.499	37.091	0.26	29.4
500	0.513	0.491	34.658	27.803	32.499	37.090	0.36	29.3
550	0.571	0.546	34.666	27.806	32.501	37.090	0.37	29.1
600	0.627	0.599	34.674	27.809	32.502	37.090	0.38	29.0
650	0.635	0.605	34.678	27.812	32.505	37.093	0.42	28.8
700	0.630	0.597	34.681	27.815	32.508	37.096	0.43	28.6
750	0.602	0.567	34.679	27.815	32.509	37.098	0.24	28.6
800	0.570	0.532	34.680	27.818	32.513	37.103	0.48	28.3
850	0.537	0.497	34.679	27.819	32.516	37.106	0.37	28.2
900	0.509	0.466	34.678	27.820	32.517	37.109	0.34	28.1
950	0.480	0.435	34.680	27.824	32.522	37.114	0.52	27.7
1000	0.447	0.399	34.678	27.824	32.523	37.117	0.31	27.7
1100	0.387	0.334	34.676	27.826	32.527	37.123	0.36	27.4
1200	0.328	0.270	34.673	27.828	32.531	37.128	0.33	27.1
1300	0.276	0.212	34.671	27.829	32.534	37.133	0.34	26.9
1400	0.227	0.158	34.669	27.831	32.537	37.138	0.34	26.6
1500	0.177	0.102	34.668	27.833	32.541	37.143	0.38	26.2
1600	0.130	0.049	34.666	27.834	32.544	37.147	0.34	25.9
1700	0.085	-0.002	34.665	27.836	32.547	37.152	0.37	25.6
1800	0.055	-0.038	34.664	27.837	32.549	37.156	0.30	25.3
1900	0.020	-0.079	34.663	27.838	32.552	37.159	0.33	25.0
2000	-0.020	-0.125	34.661	27.839	32.554	37.163	0.33	24.7
2100	-0.051	-0.163	34.659	27.839	32.556	37.166	0.28	24.5
2200	-0.133	-0.251	34.652	27.838	32.557	37.170	0.37	24.1
2300	-0.324	-0.445	34.635	27.834	32.559	37.177	0.53	23.2
2400	-0.510	-0.635	34.622	27.832	32.563	37.187	0.60	22.1
2500	-0.743	-0.871	34.612	27.834	32.572	37.203	0.78	20.2
2590	-0.968	-1.098	34.607	27.839	32.584	37.222	0.88	17.9
PRES	TEMPER	POTEMP	SLINTY	OXYG				
0	-1.796	-1.796	33.936	7.910				
20	-1.800	-1.800	33.947	7.830				
564	0.588	0.562	34.687	4.910				
698	0.621	0.588	34.687	4.840				
789	0.560	0.523	34.684	4.940				
995	0.446	0.398	34.683	4.870				
1197	0.323	0.265	34.673	5.090				
1593	0.125	0.045	34.670	5.140				
1994	-0.020	-0.125	34.664	5.280				
2396	-0.507	-0.632	34.625	5.880				
2517	-0.793	-0.921	34.613	6.300				
2577	-0.958	-1.087	34.593	6.500				

# AQ92 6



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

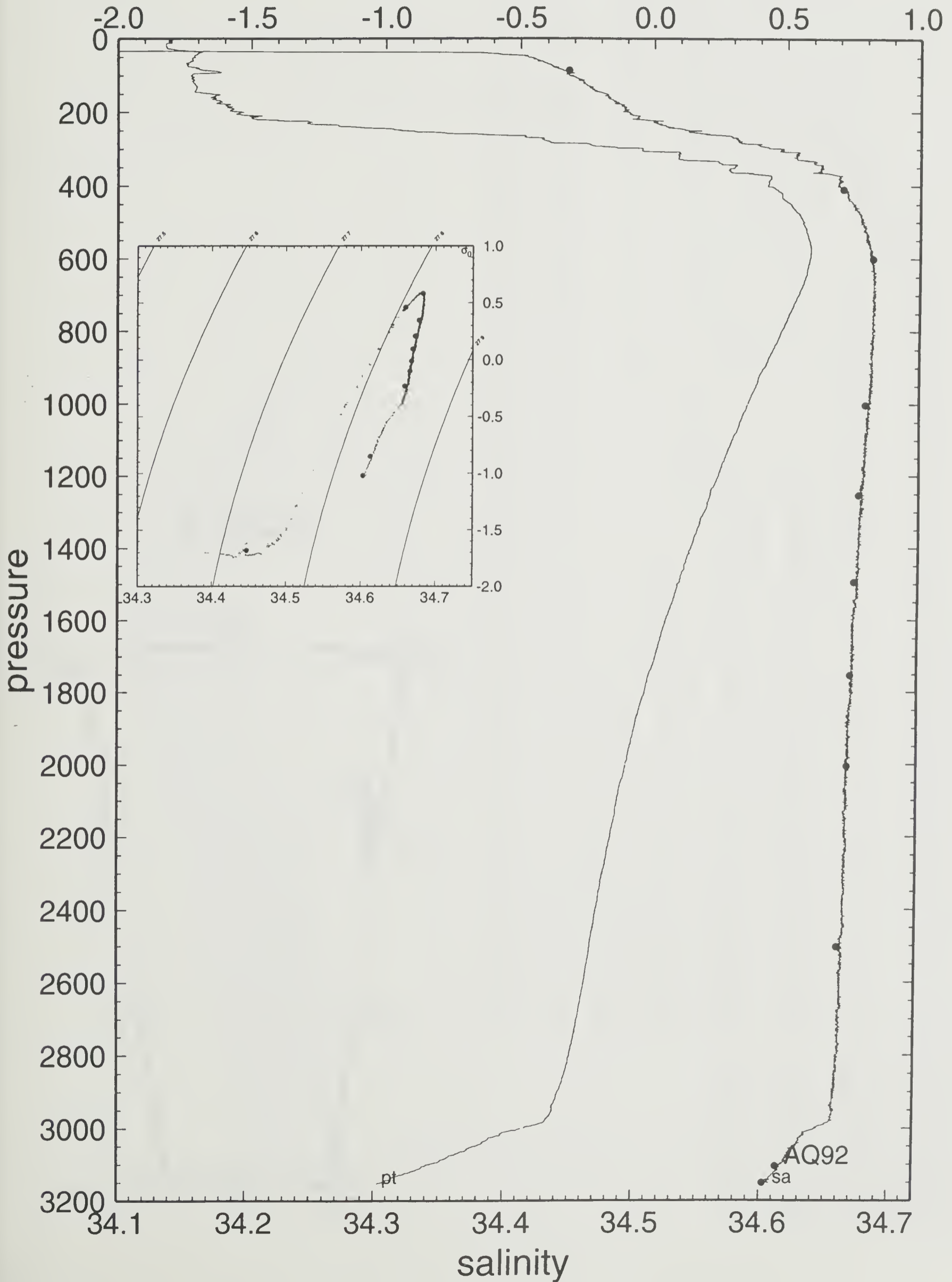


AQ92	-70.8913	-48.2933	92/02/13	999	17:58	AQ92	STA#	7
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.775	-1.775	33.954	27.330	32.102	36.766	0.00	73.5
10	-1.809	-1.809	34.005	27.372	32.145	36.810	3.64	69.4
20	-1.820	-1.820	34.016	27.381	32.154	36.820	1.70	68.5
30	-1.789	-1.790	34.048	27.407	32.178	36.843	2.81	66.0
40	-1.698	-1.699	34.386	27.679	32.445	37.103	9.23	40.2
50	-1.714	-1.715	34.415	27.703	32.469	37.128	2.74	37.9
60	-1.719	-1.720	34.424	27.711	32.477	37.135	1.53	37.1
70	-1.735	-1.736	34.432	27.718	32.484	37.143	1.48	36.4
80	-1.698	-1.700	34.438	27.721	32.487	37.145	1.08	36.0
90	-1.621	-1.623	34.447	27.726	32.489	37.145	1.23	35.5
100	-1.722	-1.724	34.447	27.729	32.495	37.154	1.01	35.1
110	-1.722	-1.724	34.454	27.735	32.501	37.160	1.33	34.5
120	-1.718	-1.721	34.459	27.739	32.505	37.163	1.11	34.1
130	-1.703	-1.706	34.463	27.742	32.507	37.165	0.93	33.8
140	-1.709	-1.712	34.467	27.745	32.511	37.169	1.04	33.4
150	-1.647	-1.650	34.475	27.750	32.513	37.170	1.18	32.9
160	-1.636	-1.640	34.478	27.752	32.515	37.171	0.80	32.7
170	-1.614	-1.618	34.483	27.756	32.518	37.173	1.02	32.3
180	-1.594	-1.598	34.490	27.761	32.522	37.177	1.25	31.8
190	-1.564	-1.568	34.490	27.760	32.520	37.174	-0.58	31.8
200	-1.537	-1.542	34.492	27.761	32.520	37.173	0.45	31.7
210	-1.481	-1.486	34.502	27.767	32.525	37.176	1.37	31.1
220	-1.455	-1.460	34.502	27.766	32.523	37.173	-0.56	31.2
230	-1.289	-1.295	34.515	27.771	32.523	37.168	1.10	30.7
240	-1.119	-1.126	34.524	27.772	32.519	37.159	-0.07	30.7
250	-0.935	-0.942	34.550	27.786	32.527	37.161	1.99	29.5
260	-0.641	-0.649	34.553	27.777	32.508	37.134	-1.94	30.6
270	-0.407	-0.416	34.578	27.786	32.511	37.129	1.55	29.9
280	-0.385	-0.395	34.580	27.787	32.511	37.128	0.36	29.8
290	-0.227	-0.237	34.595	27.791	32.510	37.123	0.99	29.5
300	-0.032	-0.043	34.612	27.795	32.508	37.115	0.81	29.3
325	0.104	0.091	34.624	27.798	32.507	37.110	0.39	29.2
350	0.316	0.302	34.643	27.801	32.504	37.101	0.43	29.0
375	0.455	0.439	34.657	27.805	32.503	37.096	0.48	28.9
400	0.444	0.427	34.657	27.806	32.504	37.097	0.33	28.8
425	0.498	0.480	34.664	27.808	32.505	37.096	0.48	28.7
450	0.534	0.514	34.668	27.809	32.505	37.096	0.29	28.6
475	0.565	0.544	34.673	27.811	32.507	37.096	0.48	28.5
500	0.585	0.563	34.674	27.811	32.506	37.095	-0.27	28.6
550	0.609	0.584	34.679	27.814	32.508	37.096	0.39	28.4
600	0.614	0.587	34.682	27.816	32.510	37.098	0.37	28.3
650	0.600	0.570	34.685	27.820	32.514	37.102	0.48	28.0
700	0.576	0.544	34.685	27.821	32.516	37.105	0.36	27.9
750	0.547	0.512	34.684	27.822	32.518	37.108	0.33	27.8
800	0.517	0.480	34.683	27.823	32.520	37.111	0.34	27.7
850	0.489	0.449	34.683	27.825	32.523	37.115	0.40	27.5
900	0.459	0.417	34.682	27.826	32.525	37.118	0.35	27.4
950	0.432	0.387	34.682	27.828	32.528	37.121	0.40	27.2
1000	0.404	0.356	34.680	27.828	32.529	37.123	0.26	27.2
1100	0.351	0.298	34.678	27.830	32.532	37.129	0.33	26.9
1200	0.306	0.248	34.678	27.833	32.536	37.134	0.38	26.6
1300	0.259	0.195	34.676	27.834	32.539	37.139	0.32	26.4
1400	0.214	0.145	34.674	27.835	32.542	37.143	0.32	26.1
1500	0.169	0.094	34.673	27.837	32.546	37.148	0.36	25.8
1600	0.132	0.051	34.670	27.837	32.547	37.150	0.24	25.7
1700	0.101	0.014	34.669	27.838	32.549	37.154	0.30	25.4
1800	0.067	-0.026	34.669	27.840	32.552	37.158	0.36	25.1
1900	0.035	-0.064	34.667	27.841	32.554	37.161	0.28	24.9
2000	0.011	-0.095	34.664	27.840	32.554	37.162	0.17	24.8
2100	-0.015	-0.128	34.666	27.843	32.558	37.167	0.40	24.4
2200	-0.033	-0.152	34.665	27.844	32.559	37.169	0.25	24.2
2300	-0.055	-0.181	34.664	27.844	32.561	37.171	0.28	24.0
2400	-0.071	-0.205	34.664	27.846	32.563	37.174	0.29	23.7
2500	-0.086	-0.227	34.662	27.845	32.563	37.175	0.19	23.7
2600	-0.100	-0.248	34.662	27.846	32.565	37.177	0.29	23.4
2700	-0.117	-0.273	34.661	27.847	32.566	37.179	0.27	23.2
2800	-0.136	-0.300	34.659	27.846	32.566	37.180	0.24	23.1
2900	-0.172	-0.343	34.658	27.848	32.569	37.184	0.39	22.6
3000	-0.295	-0.472	34.643	27.841	32.567	37.186	0.41	22.1
3150	-0.824	-1.001	34.606	27.834	32.576	37.211	0.93	18.2
PRES	TEMPER	POTEMP	SLINTY	OXYG				
21	-1.821	-1.821	34.027	7.450				
86	-1.681	-1.683	34.447	6.730				
410	0.478	0.460	34.660	4.960				
601	0.610	0.582	34.683	4.950				
1002	0.394	0.346	34.678	4.920				
1253	0.268	0.207	34.673	4.980				
1494	0.168	0.093	34.670	5.200				
1752	0.078	-0.012	34.668	5.150				
2004	0.005	-0.101	34.666	5.270				
2504	-0.091	-0.232	34.659	5.420				
3104	-0.675	-0.851	34.613	6.150				
3151	-0.844	-1.020	34.603	6.390				

# AQ92 7



### potential temperature



AQ92	-70.3433	-46.3717	92/02/14	999	03:22	AQ92	STA#	8
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.835	-1.835	34.053	27.412	32.185	36.851	0.00	65.7
10	-1.804	-1.804	34.067	27.423	32.194	36.859	1.82	64.7
20	-1.838	-1.838	34.076	27.431	32.204	36.869	1.60	63.8
30	-1.839	-1.840	34.079	27.433	32.206	36.872	0.88	63.5
40	-1.685	-1.686	34.405	27.694	32.459	37.117	9.03	38.8
50	-1.702	-1.703	34.473	27.750	32.515	37.173	4.18	33.5
60	-1.719	-1.720	34.485	27.760	32.526	37.184	1.79	32.4
70	-1.711	-1.712	34.490	27.764	32.529	37.187	1.09	32.0
80	-1.711	-1.713	34.495	27.768	32.533	37.191	1.13	31.6
90	-1.686	-1.688	34.498	27.770	32.534	37.191	0.72	31.4
100	-1.601	-1.603	34.507	27.775	32.536	37.191	1.19	30.9
110	-1.529	-1.531	34.511	27.776	32.535	37.187	0.50	30.7
120	-1.458	-1.461	34.516	27.777	32.535	37.185	0.70	30.6
130	-1.370	-1.373	34.526	27.783	32.537	37.184	1.24	30.0
140	-1.186	-1.190	34.537	27.785	32.534	37.175	0.74	29.8
150	-0.899	-0.903	34.550	27.785	32.524	37.157	-0.73	30.0
160	-0.772	-0.777	34.564	27.791	32.527	37.155	1.31	29.4
170	-0.656	-0.661	34.575	27.795	32.527	37.152	1.03	29.1
180	-0.478	-0.484	34.589	27.798	32.525	37.145	0.87	28.8
190	-0.075	-0.082	34.617	27.801	32.515	37.123	0.46	28.7
200	0.016	0.009	34.629	27.806	32.518	37.123	1.17	28.3
210	0.135	0.127	34.638	27.807	32.515	37.117	0.22	28.3
220	0.134	0.126	34.638	27.807	32.515	37.117	0.16	28.3
230	0.129	0.120	34.639	27.808	32.516	37.118	0.60	28.2
240	0.128	0.119	34.640	27.809	32.517	37.119	0.53	28.1
250	0.123	0.113	34.638	27.808	32.516	37.118	-0.63	28.2
260	0.110	0.100	34.637	27.808	32.516	37.119	0.09	28.2
270	0.113	0.103	34.639	27.809	32.518	37.120	0.67	28.1
280	0.151	0.140	34.641	27.809	32.516	37.117	-0.48	28.2
290	0.299	0.287	34.654	27.811	32.514	37.111	0.56	28.1
300	0.316	0.304	34.657	27.813	32.515	37.111	0.64	28.0
325	0.320	0.307	34.656	27.812	32.514	37.110	-0.35	28.1
350	0.319	0.305	34.658	27.813	32.516	37.112	0.47	27.9
375	0.318	0.303	34.657	27.813	32.515	37.112	-0.29	28.0
400	0.448	0.431	34.669	27.815	32.513	37.106	0.30	27.9
425	0.444	0.426	34.668	27.814	32.513	37.106	-0.23	28.0
450	0.431	0.412	34.668	27.815	32.514	37.108	0.36	27.9
475	0.520	0.499	34.678	27.818	32.515	37.105	0.45	27.8
500	0.546	0.524	34.678	27.817	32.512	37.102	-0.48	28.0
550	0.558	0.533	34.683	27.820	32.515	37.105	0.45	27.8
600	0.545	0.518	34.684	27.822	32.518	37.108	0.35	27.6
650	0.543	0.513	34.684	27.822	32.518	37.108	0.15	27.7
700	0.513	0.481	34.684	27.824	32.521	37.112	0.40	27.5
750	0.476	0.442	34.684	27.826	32.524	37.117	0.44	27.3
800	0.455	0.418	34.684	27.828	32.526	37.119	0.35	27.1
850	0.424	0.385	34.683	27.829	32.529	37.123	0.35	27.0
900	0.409	0.367	34.683	27.830	32.530	37.125	0.30	26.9
950	0.386	0.341	34.680	27.829	32.530	37.125	-0.12	27.0
1000	0.358	0.311	34.681	27.832	32.533	37.130	0.46	26.7
1100	0.320	0.268	34.679	27.832	32.536	37.133	0.26	26.6
1200	0.260	0.202	34.677	27.835	32.540	37.139	0.37	26.3
1300	0.220	0.157	34.674	27.835	32.541	37.142	0.24	26.2
1400	0.184	0.115	34.673	27.836	32.544	37.146	0.31	25.9
1500	0.145	0.070	34.672	27.838	32.547	37.150	0.33	25.6
1600	0.110	0.029	34.670	27.838	32.549	37.153	0.28	25.5
1700	0.075	-0.012	34.669	27.840	32.551	37.157	0.32	25.2
1800	0.039	-0.054	34.668	27.841	32.554	37.161	0.33	24.9
1900	0.001	-0.098	34.666	27.842	32.556	37.164	0.31	24.6
2000	-0.029	-0.134	34.665	27.843	32.558	37.167	0.31	24.3
2100	-0.058	-0.170	34.664	27.844	32.560	37.170	0.31	24.1
2200	-0.081	-0.200	34.664	27.845	32.562	37.173	0.32	23.8
2300	-0.105	-0.230	34.662	27.845	32.563	37.175	0.25	23.6
2400	-0.129	-0.261	34.661	27.846	32.565	37.178	0.30	23.3
2500	-0.148	-0.288	34.660	27.846	32.566	37.180	0.27	23.1
2600	-0.163	-0.310	34.660	27.848	32.568	37.182	0.29	22.9
2700	-0.177	-0.332	34.658	27.847	32.568	37.183	0.19	22.8
2800	-0.186	-0.349	34.657	27.847	32.569	37.184	0.21	22.6
2900	-0.196	-0.367	34.657	27.848	32.570	37.186	0.27	22.4
3000	-0.204	-0.383	34.657	27.849	32.571	37.188	0.26	22.2
3200	-0.218	-0.414	34.658	27.851	32.575	37.192	0.28	21.8
3400	-0.231	-0.444	34.656	27.851	32.575	37.194	0.21	21.6
3600	-0.265	-0.495	34.657	27.854	32.580	37.200	0.36	20.9
3665	-0.318	-0.553	34.642	27.844	32.572	37.194	-0.37	21.2
PRES	TEMPER	POTEMP	SLINTY	OXYG				
84	-1.743	-1.745	34.498	6.380				
362	0.297	0.282	34.657	4.990				
600	0.537	0.510	34.684	4.720				
797	0.459	0.422	34.685	4.800				
1000	0.364	0.317	34.682	4.830				
1493	0.144	0.070	34.673	5.100				
2002	-0.031	-0.136	34.664	5.270				
2507	-0.150	-0.290	34.660	5.390				
3015	-0.208	-0.388	34.656	5.470				
3407	-0.235	-0.448	34.656	5.550				
3665	-0.321	-0.556	34.650	5.750				

# AQ92 8





8

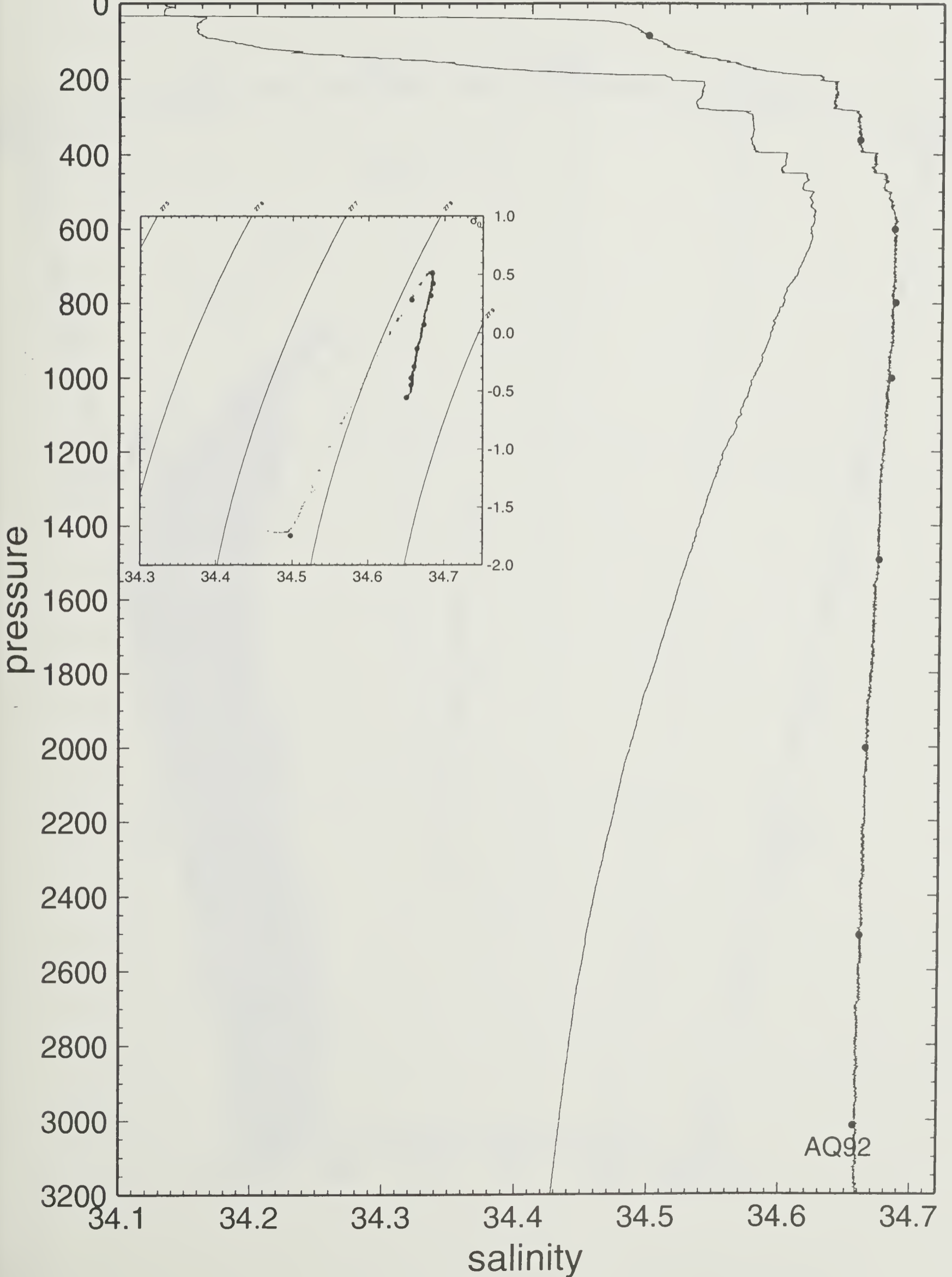
92/02/14 03:22

70 20.60 S 46 22.30 W

AQ92

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0





# Ice Camp







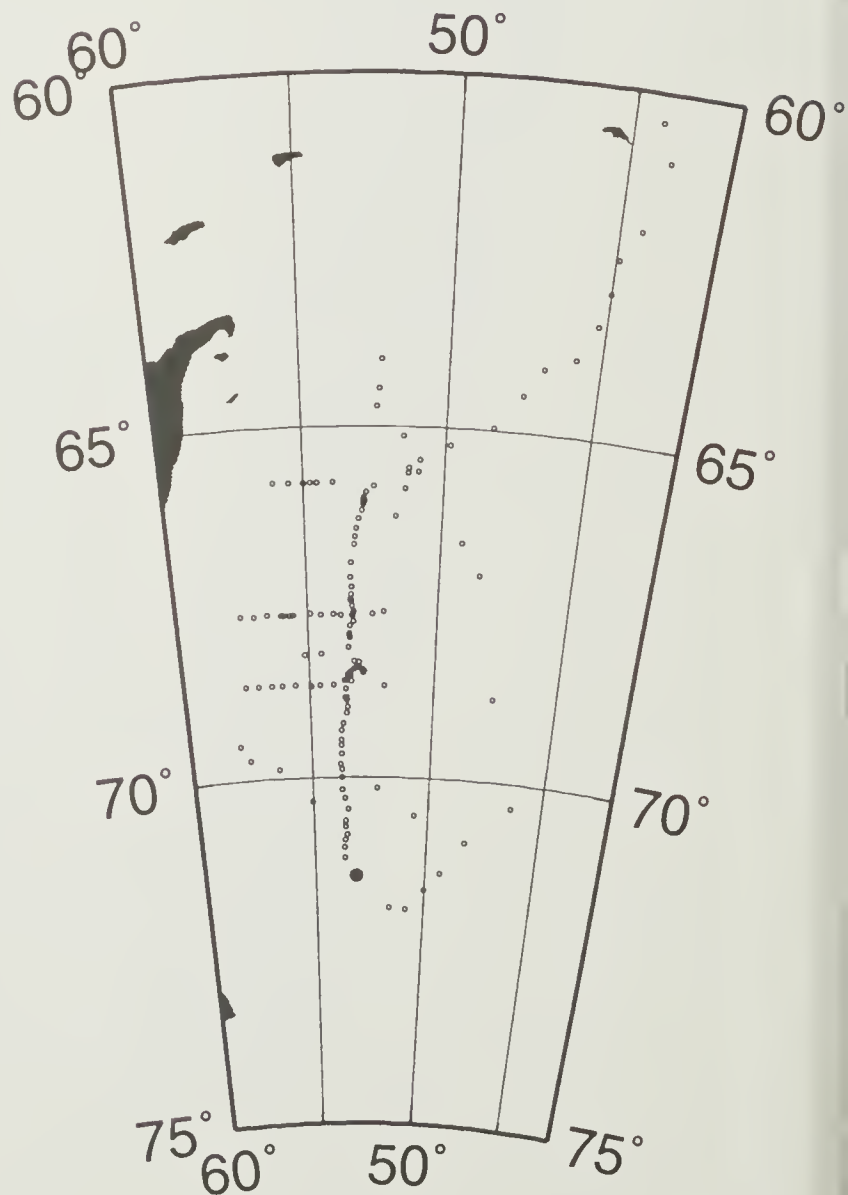
ISW-I -71.4090 -53.1193 92/02/26 57 17:30 CAMP STA# 1

bottom depth = 1815

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.849	-1.849	34.069	27.425	32.199	36.864	0.00	64.5
10	-1.850	-1.850	34.077	27.432	32.205	36.871	1.43	63.8
20	-1.851	-1.851	34.092	27.444	32.217	36.883	1.96	62.6
30	-1.850	-1.851	34.105	27.455	32.228	36.893	1.82	61.5
40	-1.849	-1.850	34.113	27.461	32.234	36.900	1.42	60.8
50	-1.799	-1.800	34.199	27.530	32.300	36.964	4.63	54.3
60	-1.797	-1.798	34.319	27.627	32.397	37.059	5.52	45.0
70	-1.819	-1.820	34.344	27.648	32.418	37.081	2.56	42.9
80	-1.829	-1.831	34.347	27.651	32.421	37.084	0.92	42.6
90	-1.824	-1.826	34.354	27.656	32.427	37.089	1.32	42.0
100	-1.821	-1.823	34.361	27.662	32.432	37.094	1.32	41.4
110	-1.815	-1.817	34.364	27.664	32.434	37.096	0.84	41.2
120	-1.796	-1.798	34.370	27.669	32.438	37.099	1.16	40.7
130	-1.806	-1.809	34.375	27.673	32.442	37.104	1.17	40.2
140	-1.804	-1.807	34.376	27.674	32.443	37.105	0.49	40.1
150	-1.798	-1.801	34.378	27.675	32.444	37.106	0.67	39.9
160	-1.789	-1.792	34.382	27.678	32.447	37.108	0.96	39.6
170	-1.783	-1.787	34.385	27.681	32.449	37.110	0.84	39.3
180	-1.780	-1.784	34.388	27.683	32.451	37.112	0.86	39.0
190	-1.768	-1.772	34.394	27.688	32.456	37.116	1.18	38.5
200	-1.772	-1.776	34.395	27.689	32.457	37.117	0.55	38.4
210	-1.729	-1.734	34.403	27.694	32.461	37.120	1.25	37.8
220	-1.703	-1.708	34.407	27.696	32.462	37.121	0.86	37.6
230	-1.672	-1.677	34.414	27.701	32.466	37.124	1.20	37.1
240	-1.676	-1.681	34.416	27.703	32.468	37.125	0.75	36.9
250	-1.672	-1.678	34.419	27.705	32.470	37.128	0.85	36.6
260	-1.679	-1.685	34.421	27.707	32.472	37.130	0.77	36.3
270	-1.673	-1.679	34.427	27.712	32.477	37.134	1.21	35.9
280	-1.665	-1.671	34.430	27.714	32.479	37.136	0.82	35.6
290	-1.654	-1.661	34.435	27.718	32.482	37.139	1.07	35.2
300	-1.667	-1.674	34.436	27.719	32.483	37.141	0.64	35.0
325	-1.372	-1.380	34.458	27.728	32.483	37.131	0.85	34.4
350	-0.992	-1.002	34.489	27.739	32.482	37.119	0.97	33.5
375	-1.064	-1.075	34.492	27.745	32.490	37.128	0.87	32.9
400	-0.844	-0.857	34.512	27.752	32.491	37.122	0.79	32.3
425	-0.664	-0.678	34.533	27.762	32.495	37.121	0.95	31.6
450	-0.256	-0.273	34.572	27.775	32.495	37.109	0.96	30.9
475	-0.112	-0.130	34.584	27.777	32.493	37.103	0.26	30.8
500	0.101	0.081	34.607	27.785	32.494	37.097	0.74	30.4
550	0.287	0.264	34.632	27.795	32.498	37.096	0.67	29.7
600	0.334	0.308	34.641	27.800	32.502	37.098	0.50	29.4
650	0.424	0.395	34.655	27.806	32.505	37.099	0.54	29.0
700	0.454	0.422	34.663	27.811	32.509	37.102	0.52	28.6
750	0.505	0.470	34.671	27.814	32.511	37.103	0.40	28.5
800	0.397	0.360	34.664	27.815	32.516	37.110	0.46	28.2
850	0.461	0.421	34.671	27.817	32.516	37.109	0.19	28.2
900	0.465	0.423	34.677	27.822	32.521	37.113	0.54	27.8
950	0.426	0.381	34.674	27.822	32.522	37.116	0.27	27.8
1000	0.353	0.306	34.671	27.824	32.526	37.122	0.51	27.4
1025	0.292	0.244	34.668	27.825	32.529	37.127	0.61	27.2

PRES	TEMPER	POTEMP	SLINTY	OXYG
10	-1.850	-1.850	34.064	8.388
768	0.493	0.457	34.662	5.404
1022	0.293	0.245	34.668	5.700

# CAMP 1



1

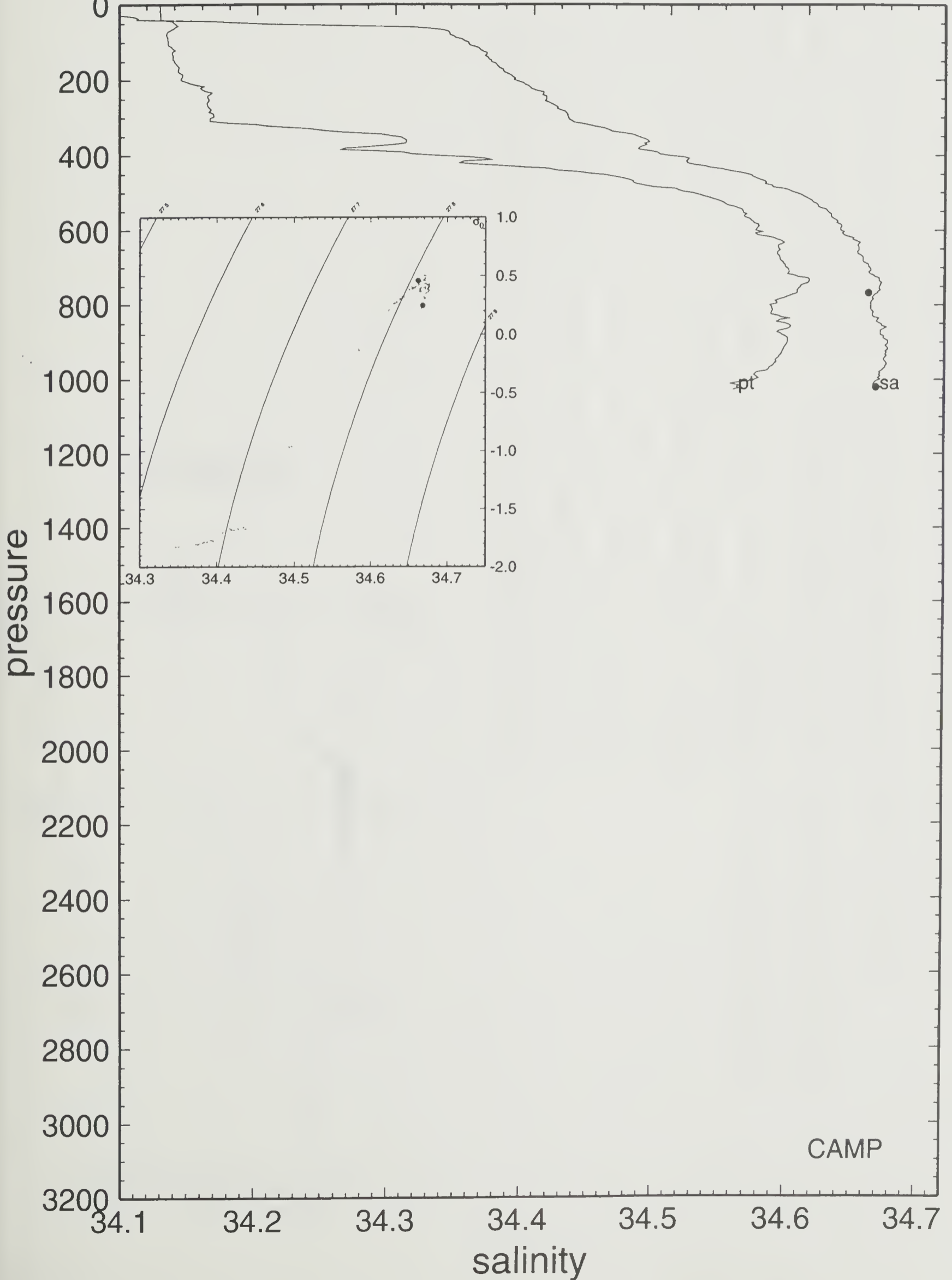
92/02/26 17:30

71 24.54 S 53 7.16 W

CAMP

### potential temperature

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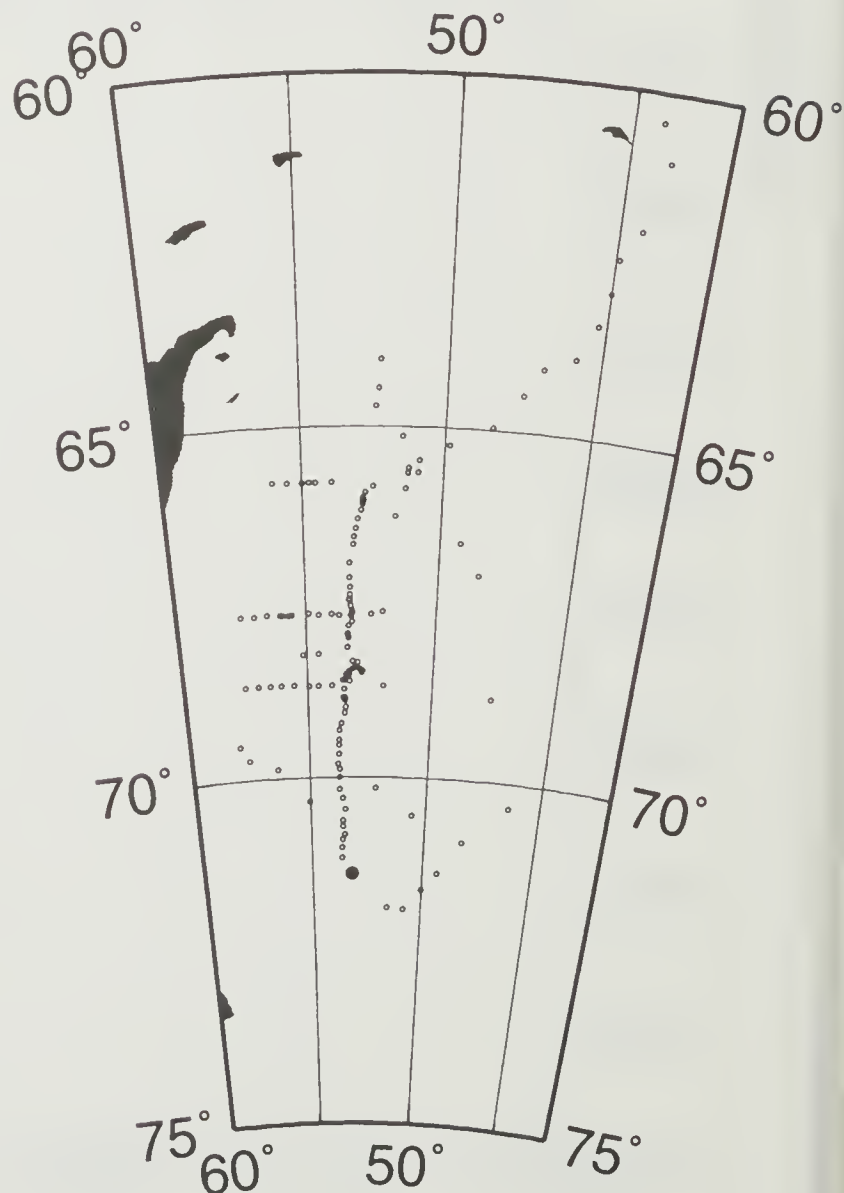
ISW-I -71.3735 -53.2028 92/02/29 60 21:55 CAMP STA# 2

bottom depth = 1837

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.845	-1.845	34.066	27.423	32.196	36.862	0.00	64.7
10	-1.845	-1.845	34.066	27.423	32.196	36.862	0.04	64.6
20	-1.841	-1.841	34.068	27.424	32.197	36.863	0.69	64.4
30	-1.840	-1.841	34.079	27.433	32.206	36.872	1.67	63.5
40	-1.817	-1.818	34.135	27.478	32.250	36.914	3.75	59.2
50	-1.808	-1.809	34.220	27.547	32.318	36.981	4.64	52.6
60	-1.804	-1.805	34.330	27.636	32.406	37.068	5.29	44.1
70	-1.816	-1.817	34.342	27.647	32.416	37.079	1.78	43.1
80	-1.826	-1.828	34.348	27.652	32.422	37.085	1.27	42.5
90	-1.824	-1.826	34.359	27.661	32.431	37.093	1.67	41.6
100	-1.820	-1.822	34.366	27.666	32.436	37.098	1.32	41.1
110	-1.813	-1.815	34.365	27.665	32.435	37.097	-0.56	41.1
120	-1.810	-1.812	34.371	27.670	32.439	37.101	1.22	40.6
130	-1.808	-1.811	34.375	27.673	32.443	37.105	1.00	40.2
140	-1.801	-1.804	34.377	27.675	32.444	37.106	0.67	40.0
150	-1.796	-1.799	34.379	27.676	32.445	37.107	0.68	39.8
160	-1.790	-1.793	34.382	27.678	32.447	37.109	0.84	39.6
170	-1.771	-1.775	34.389	27.684	32.452	37.112	1.26	39.0
180	-1.766	-1.770	34.387	27.682	32.450	37.110	-0.75	39.1
190	-1.762	-1.766	34.393	27.687	32.454	37.115	1.22	38.6
200	-1.745	-1.749	34.396	27.689	32.456	37.116	0.76	38.4
210	-1.714	-1.719	34.404	27.694	32.460	37.119	1.30	37.8
220	-1.698	-1.703	34.407	27.696	32.462	37.120	0.77	37.6
230	-1.666	-1.671	34.410	27.698	32.462	37.120	0.64	37.4
240	-1.616	-1.622	34.416	27.701	32.464	37.120	0.98	37.1
250	-1.616	-1.622	34.420	27.704	32.467	37.123	1.01	36.7
260	-1.587	-1.593	34.423	27.706	32.468	37.123	0.65	36.5
270	-1.576	-1.582	34.427	27.709	32.471	37.125	0.94	36.2
280	-1.560	-1.567	34.429	27.710	32.471	37.125	0.56	36.1
290	-1.613	-1.620	34.431	27.713	32.476	37.132	1.07	35.7
300	-1.629	-1.636	34.436	27.718	32.481	37.137	1.21	35.2
325	-1.633	-1.641	34.439	27.720	32.484	37.140	0.57	34.8
350	-1.337	-1.346	34.463	27.731	32.485	37.132	0.94	34.0
375	-1.227	-1.237	34.473	27.735	32.486	37.129	0.62	33.6
400	-1.127	-1.139	34.489	27.744	32.492	37.132	1.01	32.7
425	-0.739	-0.753	34.514	27.750	32.485	37.113	0.08	32.7
450	-0.470	-0.486	34.543	27.761	32.488	37.109	1.00	31.8
475	-0.221	-0.239	34.570	27.771	32.490	37.103	0.90	31.2
500	0.035	0.015	34.601	27.783	32.495	37.100	1.01	30.4
550	0.243	0.220	34.621	27.788	32.493	37.093	0.33	30.3
600	0.350	0.324	34.636	27.795	32.496	37.092	0.52	29.9
650	0.404	0.375	34.649	27.802	32.502	37.097	0.64	29.3
700	0.366	0.335	34.650	27.805	32.507	37.102	0.50	29.0
750	0.505	0.470	34.667	27.811	32.508	37.100	0.42	28.8
800	0.501	0.464	34.667	27.811	32.509	37.101	0.18	28.8
850	0.414	0.375	34.663	27.813	32.514	37.108	0.51	28.4
900	0.390	0.348	34.664	27.816	32.517	37.112	0.43	28.2
950	0.366	0.322	34.665	27.818	32.520	37.116	0.44	28.0
1000	0.304	0.257	34.663	27.820	32.524	37.121	0.49	27.6
1100	0.206	0.155	34.661	27.824	32.531	37.132	0.48	27.0
1200	-0.027	-0.082	34.647	27.826	32.539	37.147	0.55	26.1
1300	-0.237	-0.295	34.638	27.829	32.549	37.163	0.60	25.0
1400	-0.316	-0.379	34.639	27.834	32.557	37.173	0.51	24.2
1500	-0.375	-0.443	34.643	27.840	32.565	37.183	0.53	23.2
1575	-0.545	-0.616	34.632	27.839	32.569	37.193	0.54	22.5

PRES	TEMPER	POTEMP	SLINTY	OXYG
7	-1.844	-1.844	34.061	8.150
50	-1.808	-1.809	34.262	7.377
119	-1.811	-1.813	34.371	7.555
273	-1.572	-1.578	34.419	7.118
477	-0.206	-0.224	34.560	5.664
682	0.396	0.366	34.648	4.867
887	0.392	0.351	34.662	4.938
1092	0.183	0.132	34.649	5.184
1092	0.183	0.132	34.649	5.184
1297	-0.229	-0.287	34.631	5.729
1503	-0.390	-0.458	34.631	5.869
1657			34.616	6.005
1760			34.595	6.812
1760			34.594	6.812
1801			34.590	5.728
1801			34.590	5.728
1842			34.589	6.943
1842			34.589	6.943

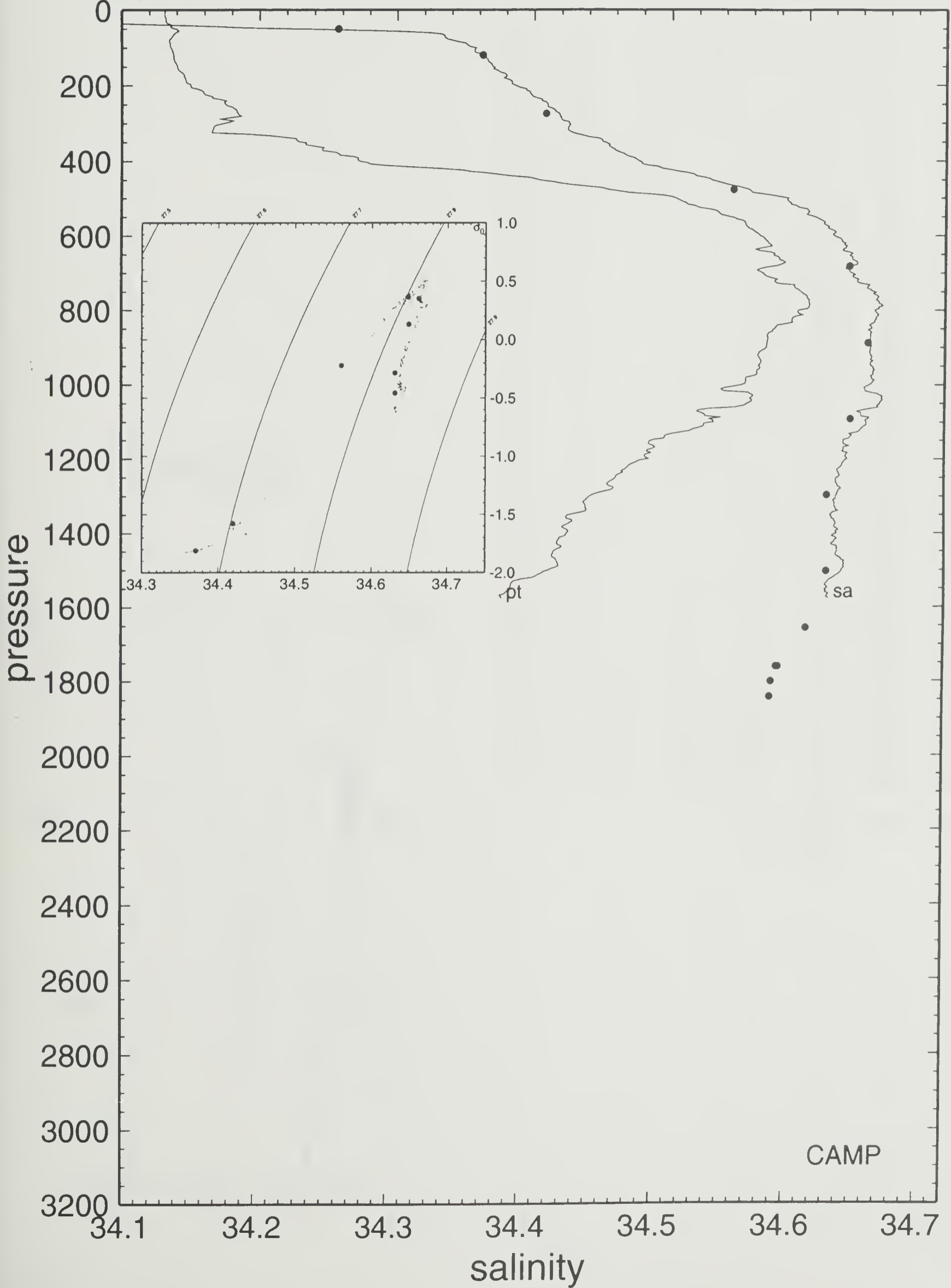
## CAMP 2





### potential temperature

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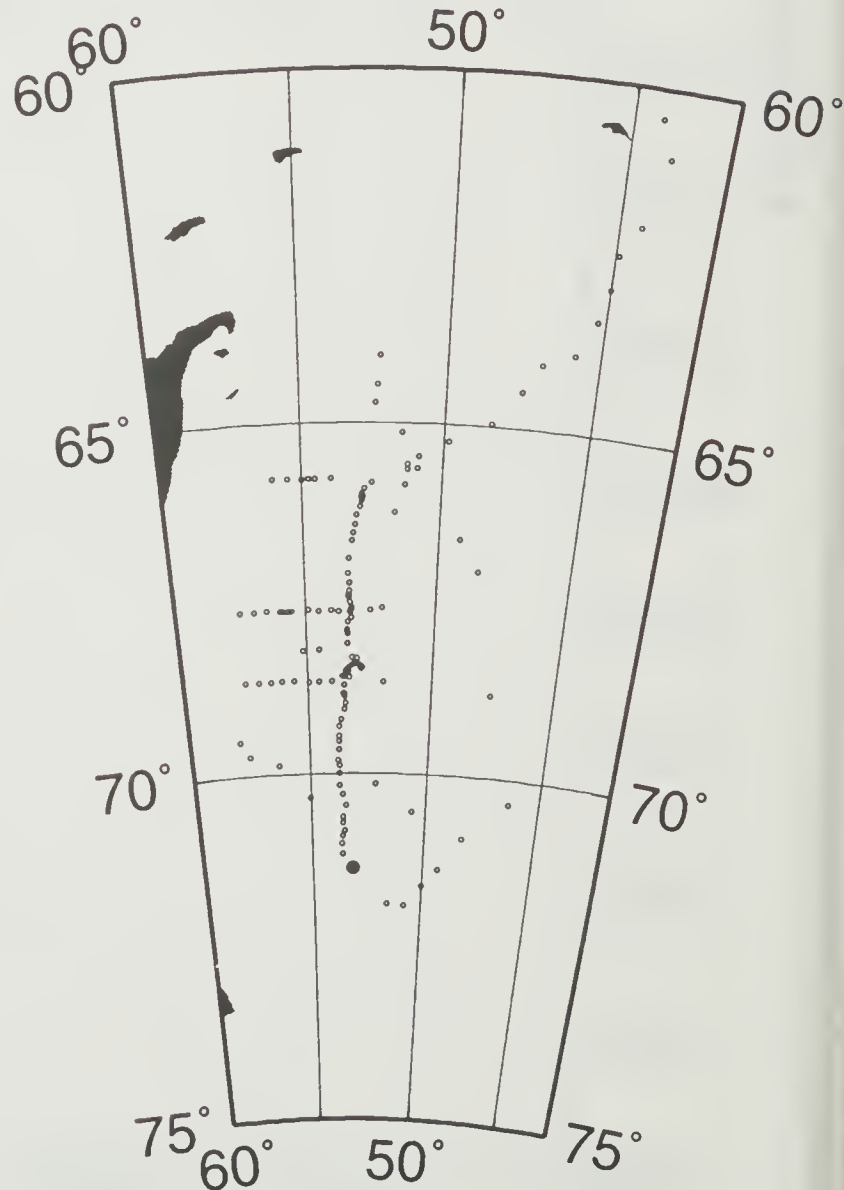
ISW-I -71.3557 -53.1590 92/03/01 61 22:19 CAMP STA# 3

bottom depth = 1874

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.850	-1.850	34.088	27.441	32.214	36.880	0.00	63.0
10	-1.850	-1.850	34.088	27.441	32.214	36.880	0.04	62.9
20	-1.852	-1.852	34.090	27.442	32.216	36.881	0.73	62.7
30	-1.850	-1.851	34.091	27.443	32.216	36.882	0.49	62.6
40	-1.840	-1.841	34.109	27.458	32.230	36.896	2.12	61.2
50	-1.828	-1.829	34.147	27.488	32.260	36.925	3.09	58.2
60	-1.808	-1.809	34.211	27.540	32.311	36.974	4.01	53.3
70	-1.793	-1.794	34.312	27.622	32.391	37.053	5.06	45.5
80	-1.796	-1.798	34.333	27.639	32.408	37.070	2.32	43.8
90	-1.789	-1.791	34.361	27.661	32.430	37.092	2.66	41.6
100	-1.794	-1.796	34.377	27.674	32.443	37.105	2.03	40.3
110	-1.782	-1.784	34.380	27.677	32.445	37.106	0.81	40.0
120	-1.782	-1.784	34.384	27.680	32.448	37.109	1.01	39.7
130	-1.780	-1.783	34.387	27.682	32.451	37.112	0.86	39.4
140	-1.778	-1.781	34.388	27.683	32.451	37.112	0.49	39.2
150	-1.753	-1.756	34.396	27.689	32.456	37.116	1.34	38.6
160	-1.754	-1.757	34.400	27.692	32.460	37.120	1.01	38.3
170	-1.743	-1.747	34.403	27.694	32.461	37.121	0.81	38.0
180	-1.707	-1.711	34.407	27.696	32.462	37.121	0.80	37.8
190	-1.714	-1.718	34.411	27.700	32.466	37.125	1.05	37.4
200	-1.669	-1.673	34.414	27.701	32.466	37.123	0.53	37.3
210	-1.630	-1.635	34.419	27.704	32.467	37.124	0.92	36.9
220	-1.654	-1.659	34.426	27.710	32.475	37.131	1.43	36.3
230	-1.627	-1.632	34.426	27.710	32.473	37.129	-0.55	36.3
240	-1.614	-1.620	34.426	27.709	32.472	37.128	-0.38	36.3
250	-1.623	-1.629	34.429	27.712	32.475	37.131	0.93	36.0
260	-1.714	-1.720	34.429	27.715	32.481	37.139	1.03	35.6
270	-1.678	-1.684	34.433	27.717	32.482	37.139	0.78	35.4
280	-1.645	-1.652	34.438	27.720	32.484	37.140	0.94	35.1
290	-1.624	-1.631	34.441	27.722	32.485	37.141	0.72	34.9
300	-1.640	-1.647	34.442	27.723	32.487	37.143	0.67	34.7
325	-1.507	-1.515	34.452	27.727	32.487	37.139	0.59	34.3
350	-1.520	-1.529	34.462	27.736	32.495	37.148	1.04	33.3
375	-1.569	-1.578	34.462	27.737	32.499	37.153	0.51	33.0
400	-1.307	-1.318	34.480	27.744	32.496	37.142	0.61	32.6
425	-0.924	-0.937	34.501	27.747	32.488	37.122	-0.49	32.7
450	-0.466	-0.482	34.542	27.760	32.487	37.107	0.97	31.9
475	-0.128	-0.146	34.577	27.772	32.489	37.099	0.95	31.2
500	0.024	0.004	34.595	27.779	32.491	37.096	0.75	30.8
550	0.216	0.193	34.619	27.788	32.494	37.094	0.62	30.2
600	0.317	0.291	34.633	27.794	32.497	37.094	0.50	29.9
650	0.427	0.398	34.651	27.802	32.502	37.096	0.63	29.3
700	0.456	0.424	34.657	27.806	32.504	37.097	0.41	29.1
750	0.513	0.478	34.665	27.809	32.506	37.097	0.36	29.0
800	0.556	0.518	34.672	27.812	32.508	37.098	0.38	28.8
850	0.587	0.546	34.678	27.815	32.510	37.100	0.39	28.7
900	0.572	0.529	34.681	27.819	32.514	37.104	0.49	28.4
950	0.548	0.502	34.681	27.820	32.517	37.107	0.38	28.2
1000	0.520	0.472	34.682	27.823	32.520	37.112	0.47	28.0
1100	0.426	0.373	34.680	27.827	32.527	37.122	0.48	27.4
1200	-0.006	-0.061	34.644	27.822	32.535	37.142	0.56	26.5
1300	-0.144	-0.203	34.638	27.824	32.542	37.153	0.49	25.8
1400	-0.280	-0.344	34.634	27.828	32.550	37.165	0.54	24.8
1500	-0.409	-0.477	34.631	27.832	32.558	37.177	0.55	23.8
1600	-0.531	-0.603	34.629	27.836	32.566	37.189	0.56	22.8
1635	-0.575	-0.649	34.627	27.837	32.568	37.192	0.48	22.5

PRES	TEMPER	POTEMP	SLINTY	OXYG
1883			34.579	6.631
1883			34.578	6.631

# CAMP 3



3

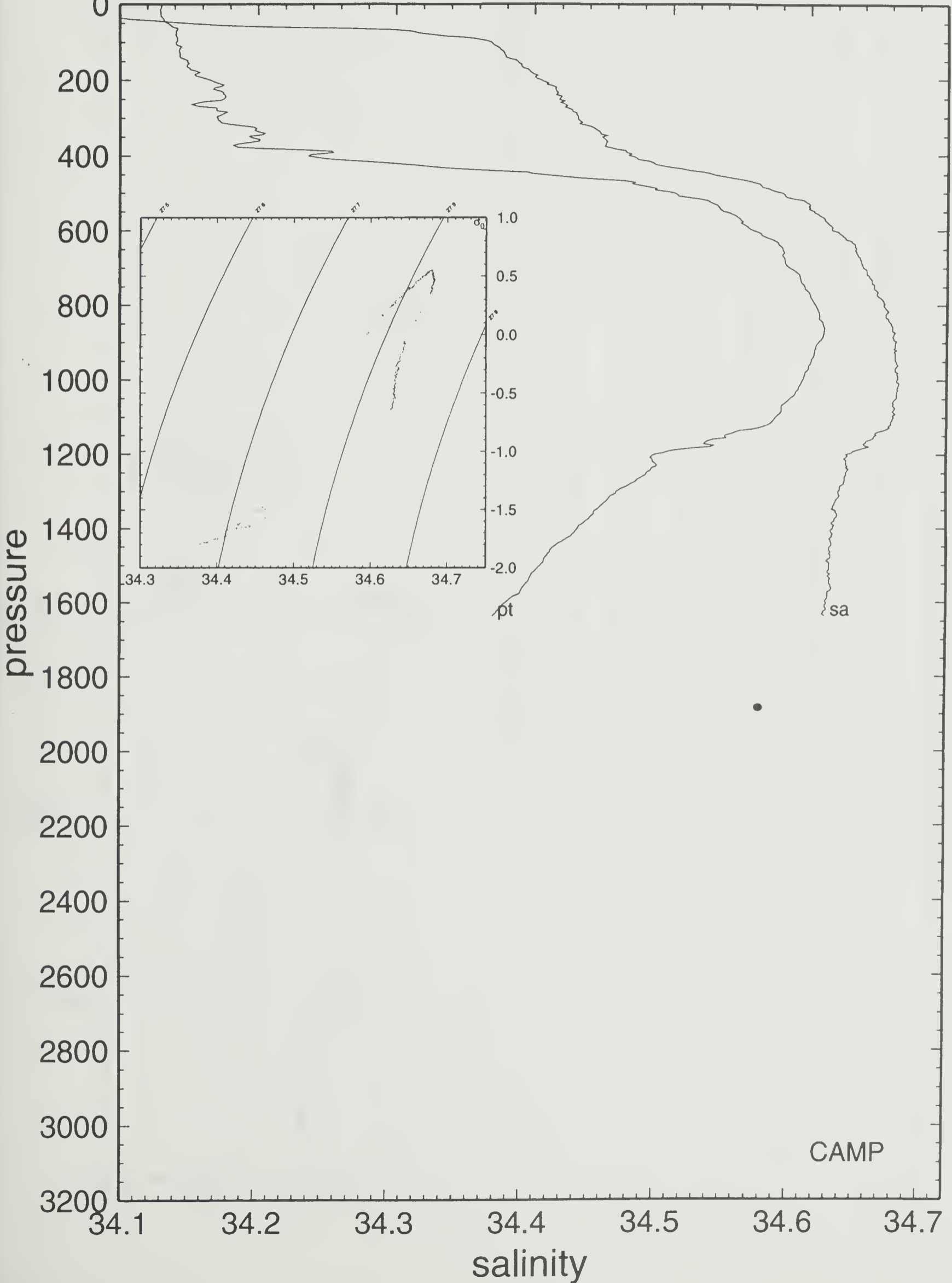
92/03/01 22:19

71 21.34 S 53 9.54 W

CAMP

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



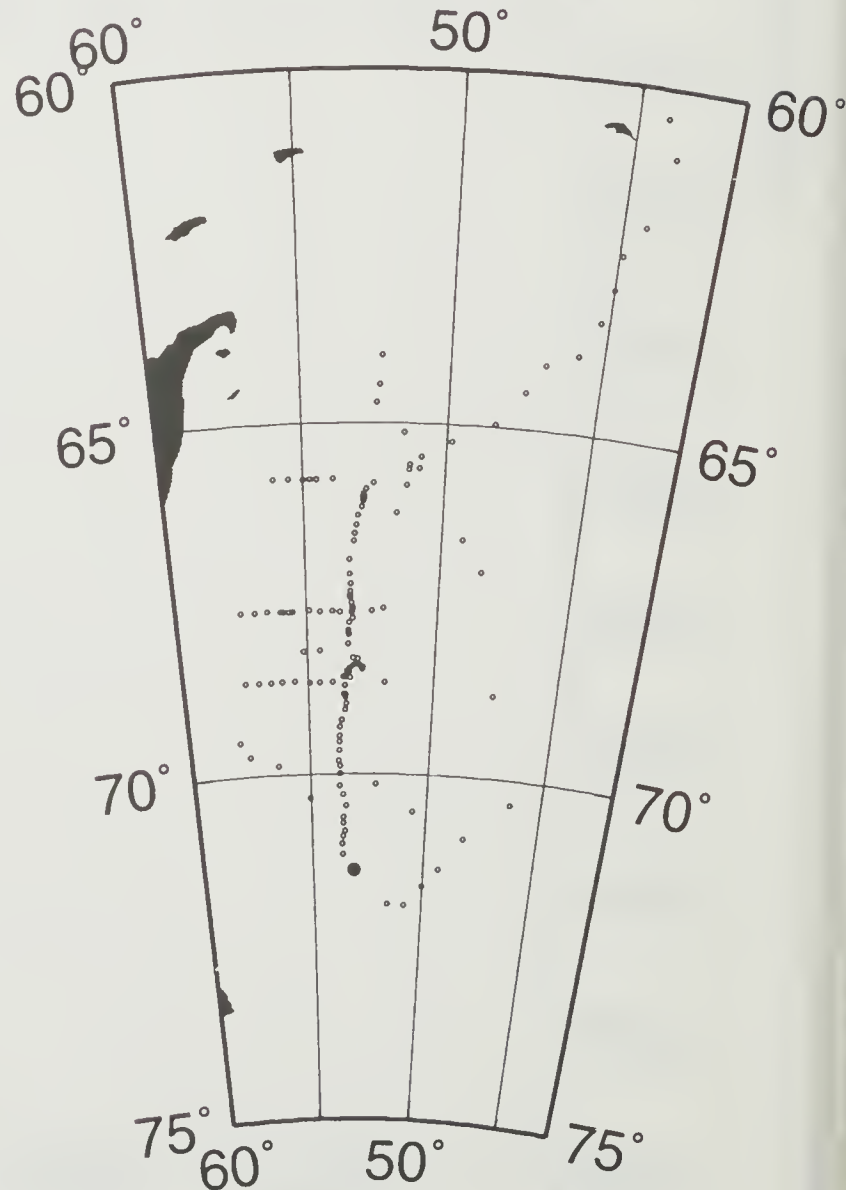
ISW-I -71.3720 -53.1153 92/03/03 63 01:14 CAMP STA# 4

bottom depth = 1871

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.859	-1.859	34.081	27.435	32.209	36.875	0.00	63.5
10	-1.859	-1.859	34.081	27.435	32.209	36.875	0.04	63.5
20	-1.855	-1.855	34.101	27.451	32.225	36.890	2.25	61.9
30	-1.852	-1.853	34.118	27.465	32.238	36.904	2.07	60.5
40	-1.847	-1.848	34.124	27.470	32.243	36.908	1.22	60.0
50	-1.854	-1.855	34.140	27.483	32.256	36.921	2.03	58.7
60	-1.854	-1.855	34.155	27.495	32.268	36.933	1.95	57.4
70	-1.835	-1.836	34.210	27.540	32.311	36.976	3.72	53.2
80	-1.809	-1.811	34.301	27.613	32.383	37.046	4.79	46.2
90	-1.799	-1.801	34.347	27.650	32.419	37.081	3.41	42.6
100	-1.787	-1.789	34.376	27.673	32.442	37.103	2.69	40.4
110	-1.781	-1.783	34.389	27.684	32.452	37.113	1.80	39.3
120	-1.768	-1.770	34.401	27.693	32.461	37.122	1.71	38.4
130	-1.743	-1.746	34.408	27.698	32.465	37.125	1.24	37.9
140	-1.714	-1.717	34.410	27.699	32.465	37.124	0.47	37.8
150	-1.711	-1.714	34.416	27.704	32.470	37.128	1.22	37.2
160	-1.686	-1.689	34.419	27.706	32.471	37.129	0.71	37.0
170	-1.598	-1.602	34.423	27.706	32.469	37.124	0.27	37.0
180	-1.575	-1.579	34.426	27.708	32.470	37.124	0.71	36.8
190	-1.548	-1.552	34.429	27.710	32.470	37.124	0.68	36.6
200	-1.617	-1.622	34.432	27.714	32.477	37.133	1.24	36.0
210	-1.597	-1.602	34.434	27.715	32.477	37.133	0.53	35.9
220	-1.616	-1.621	34.436	27.717	32.480	37.136	0.85	35.6
230	-1.668	-1.673	34.438	27.721	32.485	37.142	1.05	35.3
240	-1.529	-1.535	34.441	27.719	32.479	37.132	-0.92	35.5
250	-1.481	-1.487	34.445	27.721	32.479	37.131	0.66	35.3
260	-1.545	-1.551	34.448	27.725	32.486	37.139	1.24	34.8
270	-1.548	-1.554	34.449	27.726	32.487	37.140	0.54	34.6
280	-1.494	-1.501	34.454	27.728	32.487	37.139	0.78	34.4
290	-1.362	-1.369	34.461	27.730	32.485	37.132	0.27	34.3
300	-1.143	-1.151	34.475	27.734	32.481	37.122	0.73	34.1
325	-1.117	-1.126	34.490	27.745	32.492	37.132	1.17	33.0
350	-0.951	-0.962	34.501	27.747	32.489	37.124	0.34	32.8
375	-0.651	-0.663	34.523	27.753	32.485	37.111	0.51	32.6
400	-0.410	-0.424	34.549	27.763	32.488	37.107	0.96	31.8
425	-0.276	-0.292	34.564	27.769	32.490	37.104	0.71	31.4
450	-0.141	-0.158	34.580	27.775	32.492	37.103	0.75	31.0
475	-0.013	-0.032	34.594	27.780	32.493	37.100	0.61	30.7
500	0.151	0.131	34.612	27.786	32.494	37.096	0.65	30.3
550	0.307	0.284	34.632	27.794	32.497	37.094	0.57	29.9
600	0.400	0.374	34.645	27.799	32.499	37.094	0.48	29.5
650	0.403	0.374	34.650	27.803	32.503	37.098	0.50	29.2
700	0.437	0.405	34.658	27.808	32.507	37.100	0.50	28.9
750	0.459	0.425	34.661	27.809	32.508	37.101	0.23	28.9
800	0.498	0.461	34.667	27.812	32.509	37.101	0.34	28.7
850	0.441	0.401	34.663	27.812	32.511	37.105	0.33	28.6
900	0.405	0.363	34.664	27.815	32.515	37.110	0.50	28.3
950	0.408	0.363	34.668	27.818	32.519	37.113	0.44	28.1
1000	0.314	0.267	34.665	27.821	32.524	37.122	0.60	27.6
1100	0.141	0.090	34.653	27.821	32.530	37.133	0.42	27.1
1200	-0.159	-0.213	34.630	27.818	32.536	37.148	0.49	26.3
1300	-0.264	-0.322	34.630	27.824	32.545	37.160	0.54	25.4
1400	-0.363	-0.426	34.627	27.826	32.551	37.169	0.46	24.7
1500	-0.444	-0.511	34.628	27.831	32.558	37.179	0.51	23.8
1600	-0.505	-0.578	34.632	27.837	32.566	37.189	0.54	22.8
1700	-0.737	-0.812	34.616	27.835	32.571	37.200	0.53	21.8
1800	-1.071	-1.148	34.609	27.842	32.589	37.228	0.89	19.2
1885	-1.614	-1.687	34.597	27.850	32.614	37.270	1.19	15.2

PRES	TEMPER	POTEMP	SLINTY	OXYG
1884	-1.614	-1.687	34.596	6.753
1884	-1.614	-1.687	34.590	6.753

# CAMP 4



4

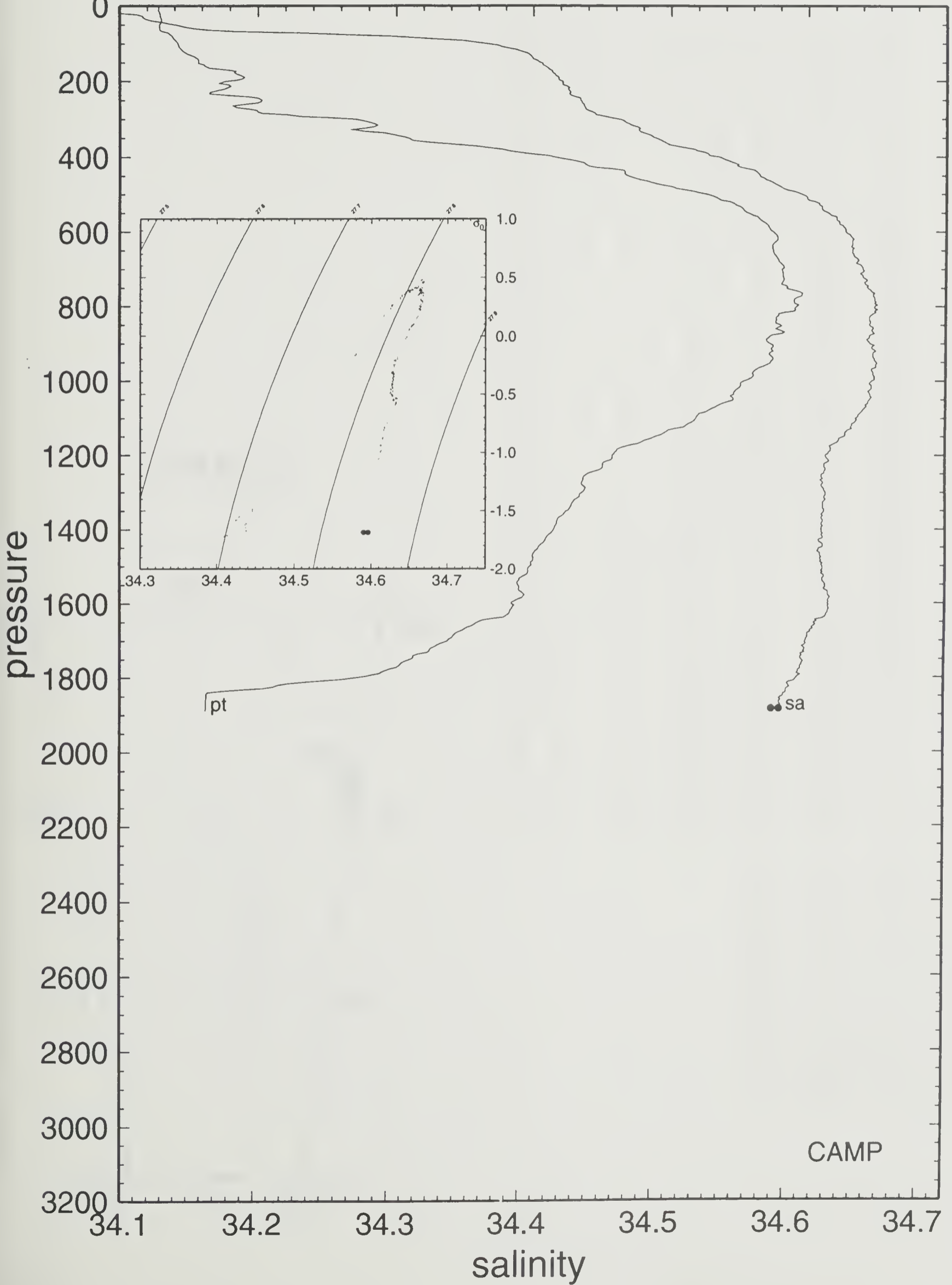
92/03/03 01:14

71 22.32 S 53 6.92 W

CAMP

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0

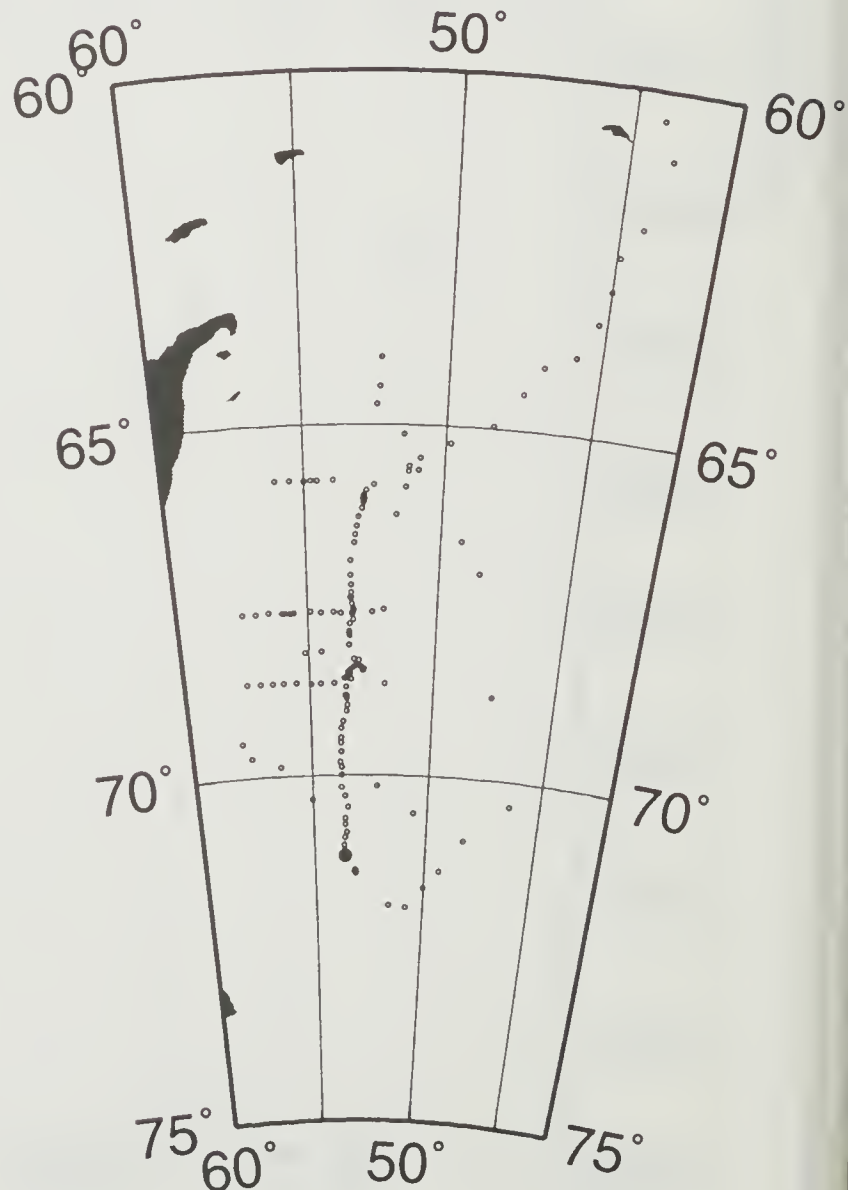


ISW-I -71.1570 -53.6397 92/03/05 65 16:26 CAMP STA# 5  
 bottom depth = 1933

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.863	-1.863	34.159	27.499	32.272	36.937	0.00	57.5
10	-1.863	-1.863	34.160	27.500	32.273	36.938	0.51	57.4
20	-1.863	-1.863	34.159	27.499	32.272	36.937	-0.50	57.4
30	-1.863	-1.864	34.158	27.498	32.271	36.937	-0.50	57.4
40	-1.833	-1.834	34.231	27.557	32.328	36.992	4.28	51.8
50	-1.817	-1.818	34.333	27.639	32.409	37.072	5.08	43.9
60	-1.824	-1.825	34.361	27.662	32.432	37.095	2.68	41.7
70	-1.809	-1.810	34.377	27.675	32.444	37.106	1.98	40.4
80	-1.798	-1.800	34.381	27.678	32.447	37.108	0.96	40.1
90	-1.791	-1.793	34.390	27.685	32.454	37.115	1.49	39.4
100	-1.766	-1.768	34.398	27.691	32.459	37.119	1.34	38.8
110	-1.760	-1.762	34.402	27.694	32.461	37.122	0.98	38.4
120	-1.763	-1.765	34.405	27.696	32.464	37.124	0.89	38.1
130	-1.744	-1.747	34.411	27.701	32.468	37.127	1.16	37.6
140	-1.727	-1.730	34.411	27.700	32.467	37.126	-0.41	37.6
150	-1.670	-1.673	34.418	27.704	32.469	37.126	1.09	37.2
160	-1.644	-1.648	34.424	27.708	32.472	37.129	1.12	36.8
170	-1.712	-1.716	34.426	27.712	32.478	37.137	1.11	36.4
180	-1.671	-1.675	34.429	27.713	32.478	37.135	0.57	36.2
190	-1.672	-1.676	34.433	27.717	32.481	37.139	1.01	35.8
200	-1.651	-1.655	34.435	27.718	32.482	37.138	0.53	35.7
210	-1.634	-1.639	34.439	27.720	32.484	37.140	0.91	35.4
220	-1.561	-1.566	34.443	27.721	32.483	37.136	0.42	35.3
230	-1.503	-1.509	34.450	27.725	32.485	37.137	1.04	34.9
240	-1.461	-1.467	34.457	27.730	32.488	37.138	1.12	34.5
250	-1.524	-1.530	34.457	27.732	32.492	37.144	0.88	34.2
260	-1.498	-1.504	34.459	27.733	32.492	37.143	0.44	34.1
270	-1.424	-1.431	34.467	27.737	32.493	37.143	1.05	33.7
280	-1.294	-1.301	34.471	27.736	32.488	37.134	-0.83	33.9
290	-1.419	-1.426	34.483	27.750	32.506	37.155	2.17	32.4
300	-1.398	-1.406	34.478	27.745	32.501	37.149	-1.24	32.8
325	-1.026	-1.035	34.497	27.747	32.491	37.128	-0.42	32.9
350	-0.740	-0.751	34.523	27.757	32.492	37.120	0.91	32.2
375	-0.502	-0.515	34.544	27.763	32.491	37.112	0.70	31.7
400	-0.244	-0.259	34.579	27.780	32.499	37.113	1.28	30.5
425	0.078	0.061	34.603	27.783	32.492	37.096	-0.37	30.6
450	0.221	0.203	34.623	27.791	32.496	37.096	0.90	30.0
475	0.358	0.338	34.639	27.796	32.498	37.093	0.65	29.7
500	0.419	0.397	34.650	27.802	32.501	37.095	0.75	29.2
550	0.483	0.459	34.660	27.806	32.504	37.096	0.47	29.0
600	0.528	0.501	34.668	27.810	32.506	37.097	0.45	28.7
650	0.553	0.523	34.673	27.813	32.508	37.098	0.38	28.6
700	0.578	0.546	34.678	27.815	32.510	37.100	0.37	28.4
750	0.587	0.552	34.683	27.819	32.514	37.103	0.47	28.2
800	0.576	0.538	34.684	27.821	32.516	37.105	0.35	28.1
850	0.544	0.504	34.684	27.823	32.519	37.109	0.43	27.9
900	0.506	0.463	34.683	27.824	32.522	37.113	0.41	27.7
950	0.475	0.430	34.683	27.826	32.525	37.117	0.42	27.5
1000	0.441	0.393	34.682	27.828	32.527	37.121	0.39	27.3
1100	0.352	0.299	34.681	27.832	32.534	37.131	0.48	26.7
1200	0.278	0.220	34.679	27.835	32.540	37.138	0.42	26.3
1300	0.206	0.143	34.674	27.835	32.542	37.143	0.31	26.0
1400	0.122	0.054	34.672	27.839	32.548	37.152	0.46	25.5
1500	0.019	-0.054	34.666	27.839	32.552	37.159	0.42	25.0
1600	-0.089	-0.167	34.662	27.842	32.558	37.168	0.49	24.2
1700	-0.319	-0.400	34.646	27.841	32.564	37.181	0.56	23.2
1800	-0.705	-0.787	34.617	27.834	32.570	37.199	0.67	21.7
1900	-1.200	-1.281	34.606	27.844	32.595	37.239	1.09	18.0
1945	-1.575	-1.652	34.599	27.851	32.613	37.268	1.40	15.1

PRES	TEMPER	POTEMP	SLINTY	OXYG
3	-1.864	-1.864	34.154	7.819
64	-1.813	-1.814	34.368	7.407
156	-1.634	-1.637	34.416	6.985
257	-1.515	-1.521	34.459	6.521
410	-0.090	-0.106	34.597	5.267
614	0.543	0.515	34.666	5.278
818	0.561	0.522	34.682	4.820
1022	0.419	0.370	34.683	4.898
1226	0.263	0.204	34.674	4.889
1430	0.095	0.025	34.683	5.165
1635	-0.154	-0.233	34.664	5.341
1738	-0.458	-0.540	34.636	5.613
1861	-0.892	-0.975	34.604	6.242
1901	-1.211	-1.291	34.591	6.773
1943	-1.575	-1.652	34.593	6.990

# CAMP 5



5

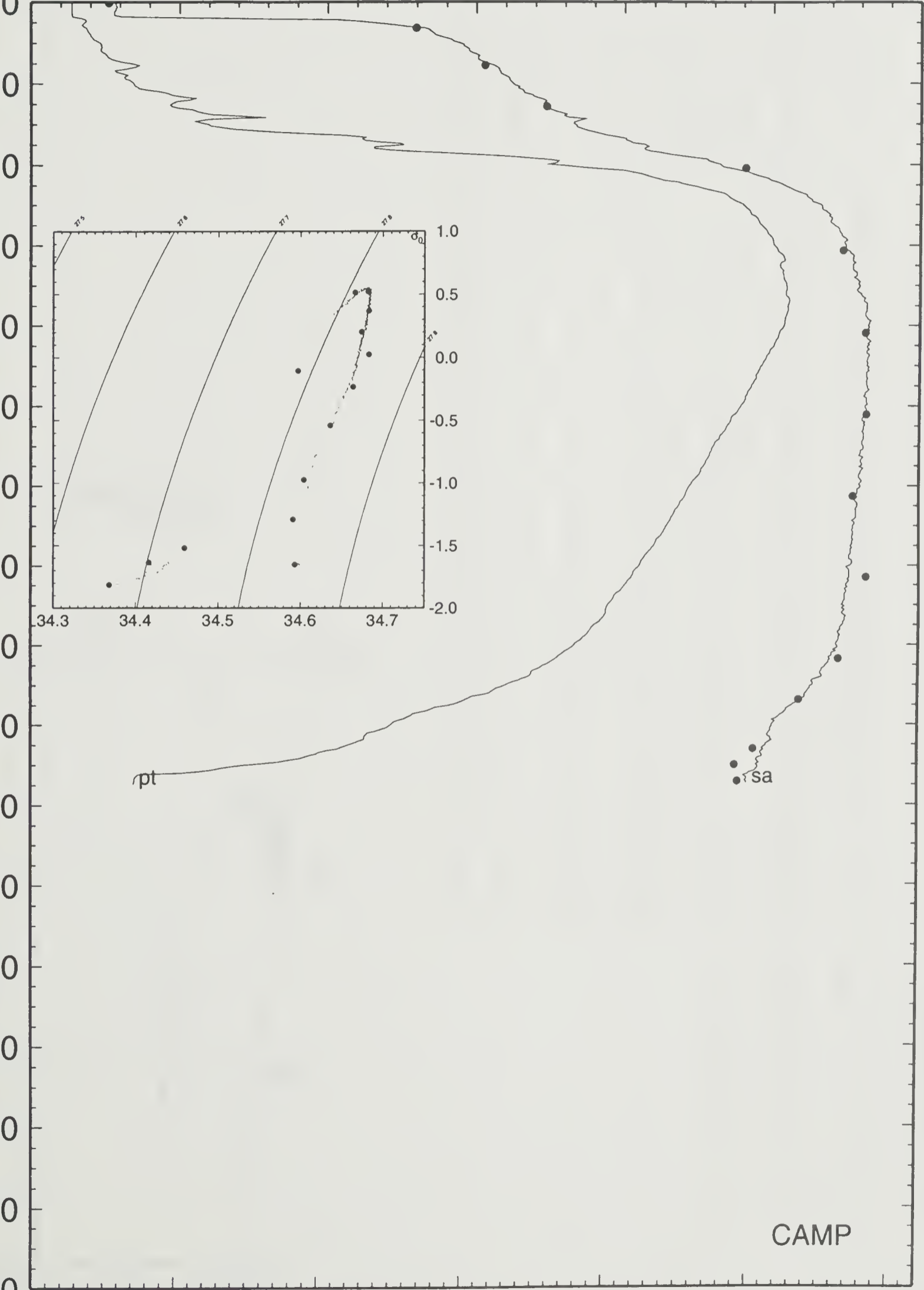
92/03/05 16:26

71 9.42 S 53 38.38 W

CAMP

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



pressure

salinity

CAMP

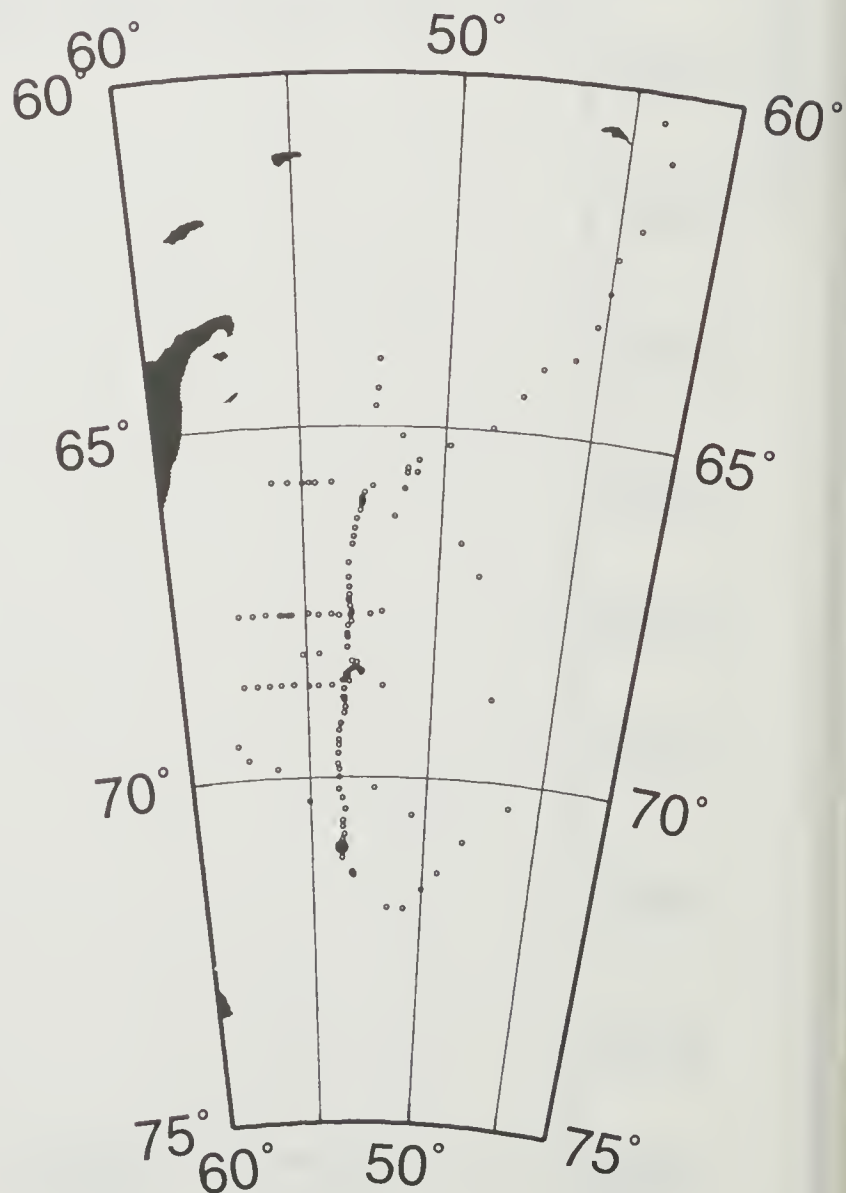
ISW-I -70.9963 -53.6670 92/03/10 70 18:14 CAMP STA# 7

bottom depth = 2111

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.855	-1.855	34.005	27.373	32.147	36.814	0.00	69.4
10	-1.856	-1.856	34.034	27.397	32.171	36.837	2.72	67.1
20	-1.856	-1.856	34.084	27.438	32.211	36.877	3.57	63.2
30	-1.845	-1.846	34.107	27.456	32.229	36.894	2.40	61.4
40	-1.786	-1.787	34.253	27.573	32.343	37.005	6.05	50.2
50	-1.783	-1.784	34.354	27.655	32.424	37.085	5.07	42.4
60	-1.786	-1.787	34.370	27.668	32.437	37.098	2.02	41.1
70	-1.784	-1.785	34.379	27.676	32.444	37.105	1.51	40.3
80	-1.780	-1.782	34.381	27.677	32.446	37.107	0.69	40.1
90	-1.762	-1.764	34.387	27.682	32.449	37.110	1.17	39.7
100	-1.744	-1.746	34.391	27.684	32.452	37.111	0.92	39.4
110	-1.748	-1.750	34.393	27.686	32.453	37.113	0.74	39.1
120	-1.735	-1.737	34.401	27.692	32.459	37.119	1.38	38.5
130	-1.698	-1.701	34.410	27.699	32.464	37.122	1.38	37.9
140	-1.675	-1.678	34.412	27.700	32.464	37.122	0.52	37.7
150	-1.649	-1.652	34.418	27.704	32.468	37.124	1.12	37.3
160	-1.630	-1.634	34.428	27.711	32.475	37.131	1.53	36.5
170	-1.635	-1.639	34.431	27.714	32.477	37.134	0.90	36.2
180	-1.580	-1.584	34.435	27.716	32.477	37.132	0.64	36.0
190	-1.512	-1.516	34.443	27.720	32.479	37.132	1.12	35.6
200	-1.459	-1.464	34.450	27.724	32.482	37.132	1.07	35.2
210	-1.343	-1.348	34.468	27.735	32.489	37.136	1.77	34.2
220	-1.273	-1.279	34.474	27.737	32.489	37.134	0.79	34.0
230	-1.237	-1.243	34.481	27.742	32.492	37.136	1.14	33.6
240	-1.204	-1.210	34.488	27.746	32.496	37.138	1.16	33.1
250	-1.197	-1.204	34.490	27.748	32.497	37.139	0.64	32.9
260	-1.161	-1.168	34.496	27.751	32.499	37.141	1.01	32.6
270	-1.010	-1.018	34.507	27.755	32.498	37.135	0.80	32.4
280	-0.799	-0.808	34.518	27.755	32.492	37.122	-0.63	32.5
290	-0.409	-0.419	34.545	27.760	32.485	37.103	0.62	32.3
300	-0.281	-0.292	34.563	27.768	32.489	37.104	1.51	31.6
325	-0.046	-0.058	34.587	27.776	32.489	37.097	0.82	31.1
350	0.147	0.133	34.611	27.785	32.493	37.095	0.95	30.4
375	0.270	0.255	34.625	27.790	32.494	37.092	0.63	30.1
400	0.406	0.389	34.645	27.798	32.498	37.092	0.92	29.5
425	0.454	0.436	34.650	27.799	32.498	37.091	0.30	29.4
450	0.486	0.467	34.657	27.803	32.501	37.092	0.65	29.1
475	0.509	0.488	34.661	27.805	32.502	37.093	0.45	29.0
500	0.527	0.505	34.666	27.808	32.504	37.095	0.59	28.8
550	0.576	0.551	34.674	27.812	32.507	37.096	0.43	28.6
600	0.603	0.576	34.675	27.811	32.505	37.094	-0.26	28.8
650	0.613	0.583	34.681	27.816	32.509	37.098	0.51	28.4
700	0.592	0.559	34.684	27.819	32.514	37.103	0.52	28.1
750	0.563	0.528	34.685	27.822	32.518	37.107	0.46	27.9
800	0.537	0.500	34.683	27.822	32.518	37.109	0.22	27.8
850	0.512	0.472	34.683	27.824	32.521	37.112	0.38	27.7
900	0.472	0.430	34.683	27.826	32.525	37.117	0.47	27.4
950	0.440	0.395	34.682	27.828	32.527	37.121	0.37	27.3
1000	0.406	0.358	34.682	27.830	32.530	37.125	0.44	27.0
1100	0.335	0.282	34.679	27.832	32.534	37.131	0.37	26.7
1200	0.283	0.225	34.678	27.834	32.538	37.137	0.37	26.4
1300	0.221	0.158	34.675	27.835	32.542	37.142	0.35	26.1
1400	0.160	0.091	34.671	27.836	32.544	37.147	0.31	25.9
1500	0.069	-0.005	34.669	27.839	32.551	37.156	0.49	25.2
1600	0.002	-0.077	34.667	27.841	32.555	37.162	0.41	24.7
1700	-0.100	-0.184	34.659	27.841	32.557	37.168	0.37	24.3
1800	-0.217	-0.306	34.649	27.838	32.559	37.173	0.37	23.8
1900	-0.393	-0.486	34.641	27.841	32.567	37.186	0.61	22.6
2000	-0.667	-0.762	34.622	27.837	32.572	37.200	0.64	21.3
2100	-1.027	-1.123	34.608	27.840	32.586	37.225	0.89	18.7
2120	-1.356	-1.447	34.605	27.849	32.605	37.254	2.16	15.9

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.855	-1.855	34.012	7.748
24	-1.855	-1.855	34.087	7.634
157	-1.626	-1.629	34.420	6.793
228	-1.240	-1.246	34.480	6.448
381	0.324	0.308	34.630	5.190
585	0.592	0.565	34.688	4.907
891	0.481	0.439	34.692	4.910
1198	0.285	0.227	34.678	5.053
1454	0.124	0.052	34.671	5.146
1608	0.002	-0.078	34.664	5.261
1762	-0.154	-0.241	34.656	5.344
1916	-0.437	-0.530	34.631	5.775
2018	-0.710	-0.806	34.615	
2070	-0.896	-0.992	34.621	6.331
2121	-1.361	-1.452	34.597	6.716
2121	-1.361	-1.452	34.597	6.716

# CAMP 7





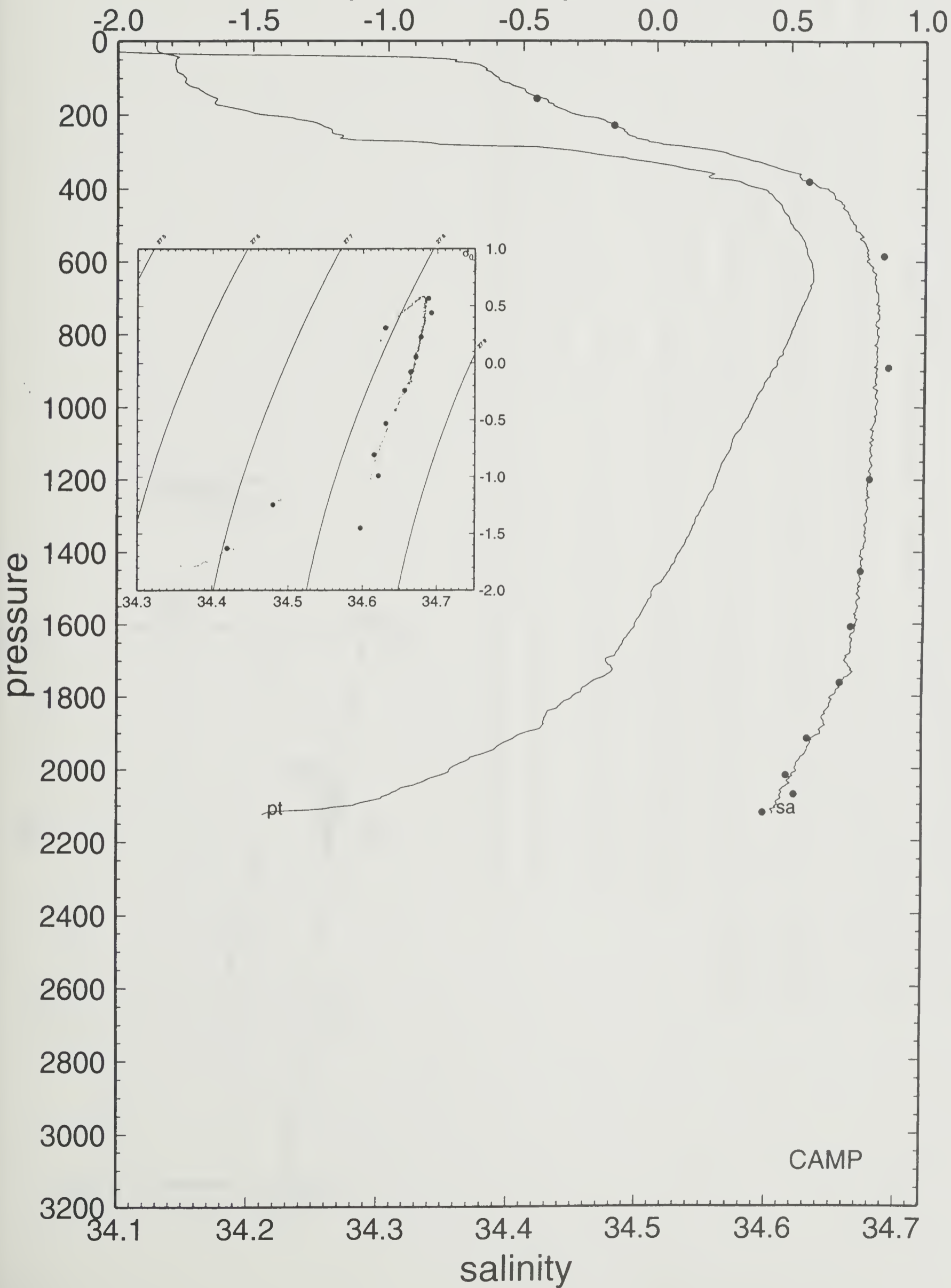
7

92/03/10 18:14

70 59.78 S 53 40.02 W

CAMP

# potential temperature



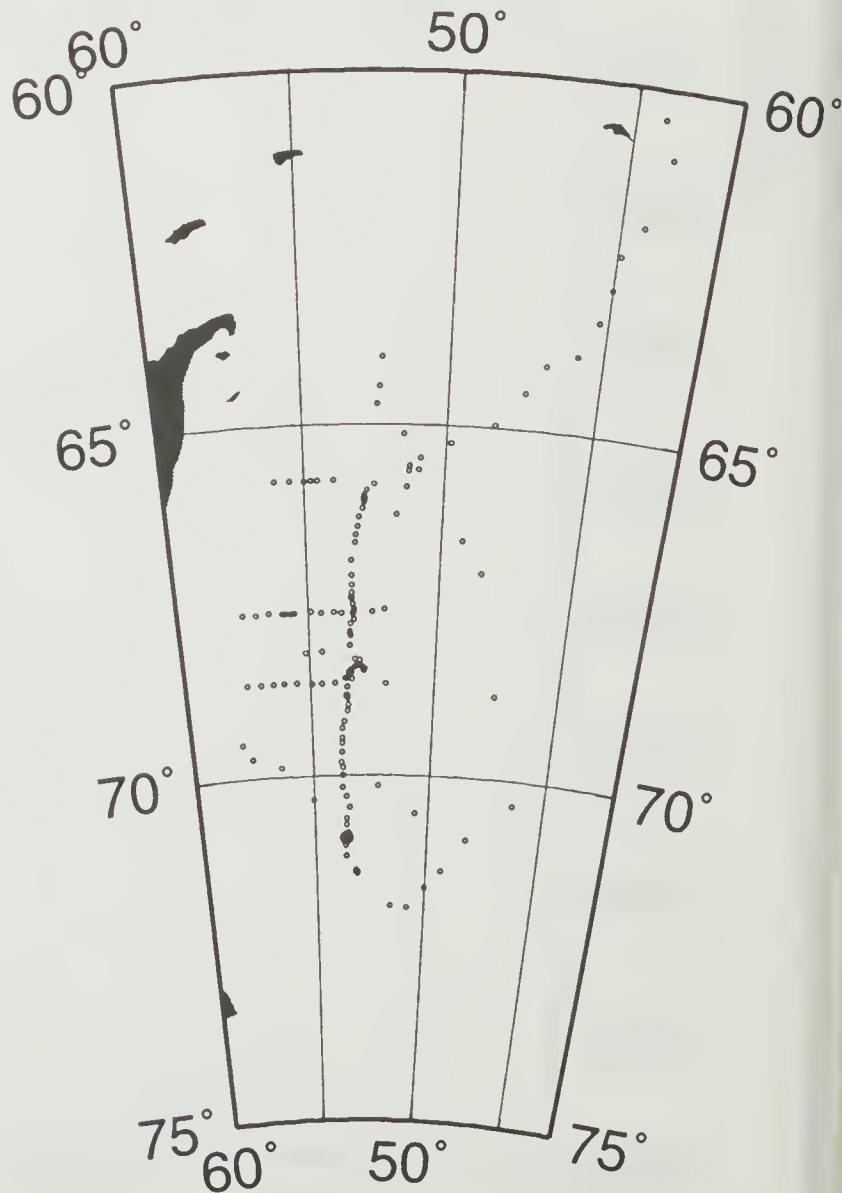
ISW-I -70.8953 -53.6215 92/03/12 72 00:40 CAMP STA# 8

bottom depth = 2231

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.855	-1.855	34.019	27.385	32.159	36.825	0.00	68.3
10	-1.855	-1.855	34.014	27.381	32.155	36.821	-1.13	68.6
20	-1.854	-1.854	34.016	27.382	32.156	36.823	0.71	68.4
30	-1.852	-1.853	34.019	27.385	32.159	36.825	0.87	68.1
40	-1.797	-1.798	34.051	27.409	32.181	36.846	2.77	65.7
50	-1.771	-1.772	34.112	27.458	32.229	36.892	3.91	61.0
60	-1.711	-1.712	34.267	27.583	32.350	37.010	6.24	49.2
70	-1.704	-1.705	34.326	27.630	32.397	37.056	3.86	44.6
80	-1.717	-1.719	34.353	27.653	32.419	37.079	2.64	42.5
90	-1.724	-1.726	34.374	27.670	32.437	37.096	2.33	40.8
100	-1.720	-1.722	34.395	27.687	32.453	37.112	2.30	39.1
110	-1.716	-1.718	34.407	27.697	32.463	37.122	1.74	38.1
120	-1.702	-1.705	34.420	27.707	32.472	37.131	1.78	37.1
130	-1.679	-1.682	34.423	27.709	32.474	37.131	0.73	36.9
140	-1.659	-1.662	34.423	27.708	32.472	37.129	-0.45	36.9
150	-1.580	-1.583	34.429	27.711	32.472	37.127	0.83	36.7
160	-1.506	-1.510	34.436	27.714	32.473	37.126	0.98	36.3
170	-1.500	-1.504	34.440	27.717	32.476	37.128	0.97	36.0
180	-1.455	-1.459	34.446	27.721	32.478	37.129	1.00	35.6
190	-1.423	-1.428	34.452	27.724	32.481	37.131	1.07	35.2
200	-1.323	-1.328	34.456	27.724	32.478	37.124	-0.46	35.3
210	-1.178	-1.184	34.467	27.728	32.477	37.119	0.96	34.9
220	-1.091	-1.097	34.479	27.735	32.481	37.120	1.37	34.3
230	-1.035	-1.041	34.486	27.738	32.483	37.120	1.00	34.0
240	-1.024	-1.031	34.490	27.741	32.485	37.122	0.93	33.7
250	-1.022	-1.029	34.494	27.744	32.488	37.125	0.99	33.4
260	-0.859	-0.867	34.503	27.745	32.484	37.116	-0.35	33.4
270	-0.798	-0.806	34.513	27.751	32.488	37.118	1.26	32.9
280	-0.793	-0.802	34.520	27.756	32.493	37.123	1.30	32.3
290	-0.616	-0.625	34.530	27.757	32.488	37.113	-0.56	32.4
300	-0.373	-0.383	34.548	27.761	32.484	37.102	0.63	32.3
325	-0.371	-0.382	34.561	27.771	32.495	37.112	1.14	31.2
350	-0.121	-0.134	34.585	27.778	32.494	37.104	0.76	30.8
375	0.060	0.045	34.601	27.782	32.492	37.097	0.44	30.6
400	0.393	0.376	34.637	27.792	32.493	37.087	0.91	30.0
425	0.377	0.359	34.641	27.797	32.497	37.092	0.74	29.6
450	0.392	0.373	34.644	27.798	32.499	37.093	0.42	29.5
475	0.438	0.418	34.651	27.801	32.500	37.093	0.55	29.3
500	0.478	0.456	34.657	27.804	32.502	37.094	0.50	29.1
550	0.530	0.505	34.665	27.807	32.504	37.094	0.41	28.9
600	0.572	0.545	34.669	27.808	32.503	37.093	0.11	29.0
650	0.608	0.578	34.677	27.813	32.507	37.095	0.49	28.7
700	0.624	0.591	34.681	27.815	32.509	37.097	0.36	28.6
750	0.610	0.575	34.683	27.818	32.512	37.100	0.43	28.4
800	0.582	0.544	34.684	27.820	32.515	37.105	0.46	28.1
850	0.559	0.519	34.685	27.823	32.518	37.108	0.43	27.9
900	0.534	0.491	34.684	27.824	32.520	37.111	0.31	27.8
950	0.507	0.461	34.684	27.825	32.523	37.114	0.40	27.7
1000	0.471	0.423	34.681	27.825	32.524	37.117	0.25	27.6
1100	0.397	0.344	34.680	27.829	32.530	37.125	0.44	27.2
1200	0.332	0.274	34.677	27.831	32.533	37.131	0.35	26.9
1300	0.282	0.218	34.676	27.833	32.537	37.136	0.37	26.6
1400	0.232	0.163	34.674	27.834	32.541	37.141	0.34	26.3
1500	0.179	0.104	34.672	27.836	32.544	37.146	0.36	26.0
1600	0.100	0.020	34.668	27.837	32.548	37.152	0.40	25.5
1700	-0.003	-0.088	34.662	27.838	32.552	37.160	0.44	25.0
1800	-0.167	-0.257	34.650	27.837	32.556	37.169	0.49	24.2
1900	-0.240	-0.335	34.649	27.840	32.561	37.176	0.48	23.5
2000	-0.380	-0.480	34.640	27.839	32.565	37.185	0.50	22.7
2100	-0.658	-0.760	34.622	27.837	32.572	37.200	0.69	21.2
2200	-0.878	-0.983	34.612	27.838	32.580	37.214	0.70	19.5
2260	-1.418	-1.517	34.599	27.847	32.605	37.256	1.53	15.2

PRES	TEMPER	POTEMP	SLINTY	OXYG
6	-1.855	-1.855	34.021	7.634
6	-1.855	-1.855	34.021	7.634
681	0.609	0.577	34.681	5.009
681	0.609	0.577	34.681	5.009
2263	-1.418	-1.517	34.595	6.988

# CAMP 8



8

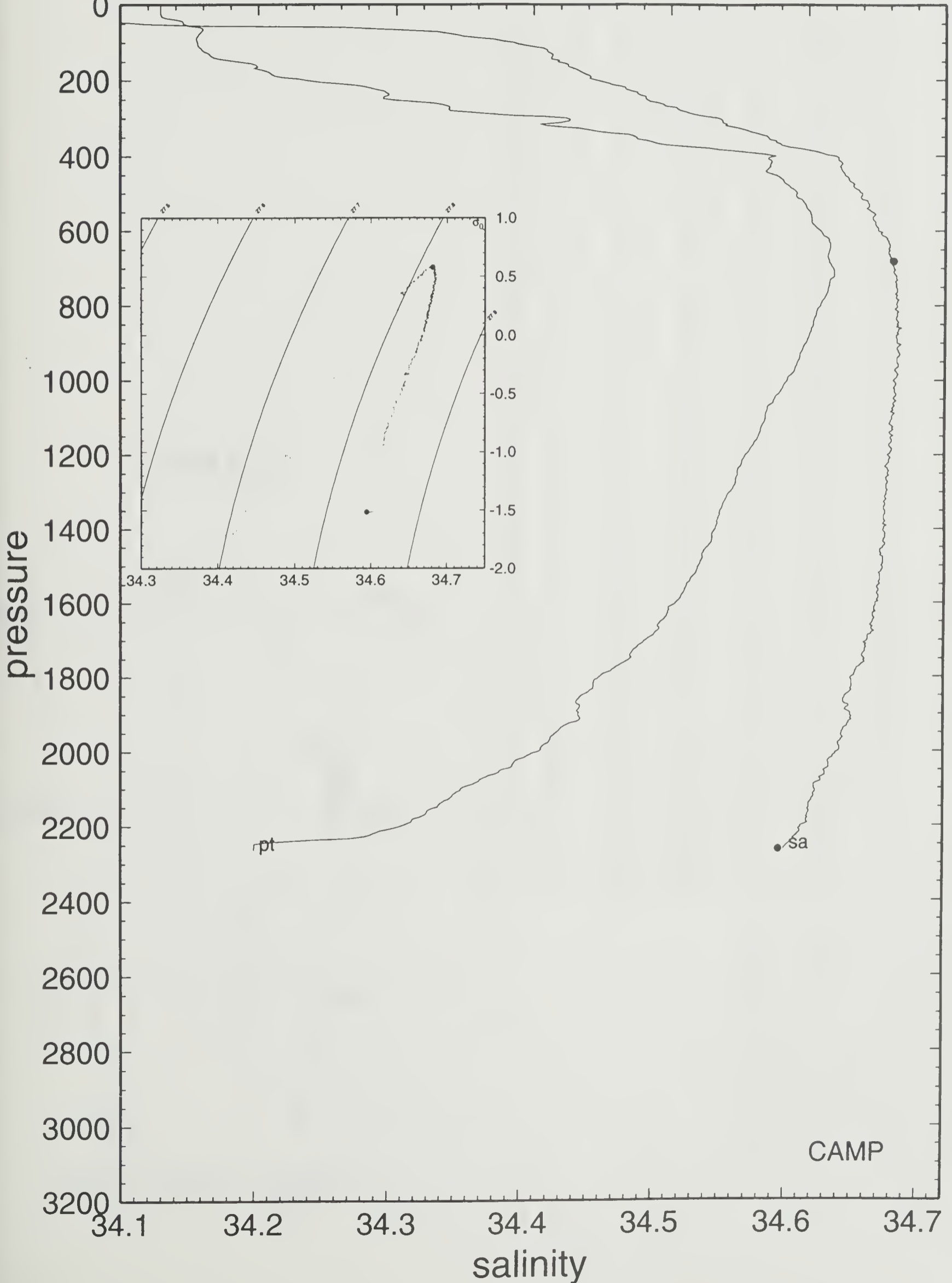
92/03/12 00:40

70 53.72 S 53 37.29 W

CAMP

# potential temperature

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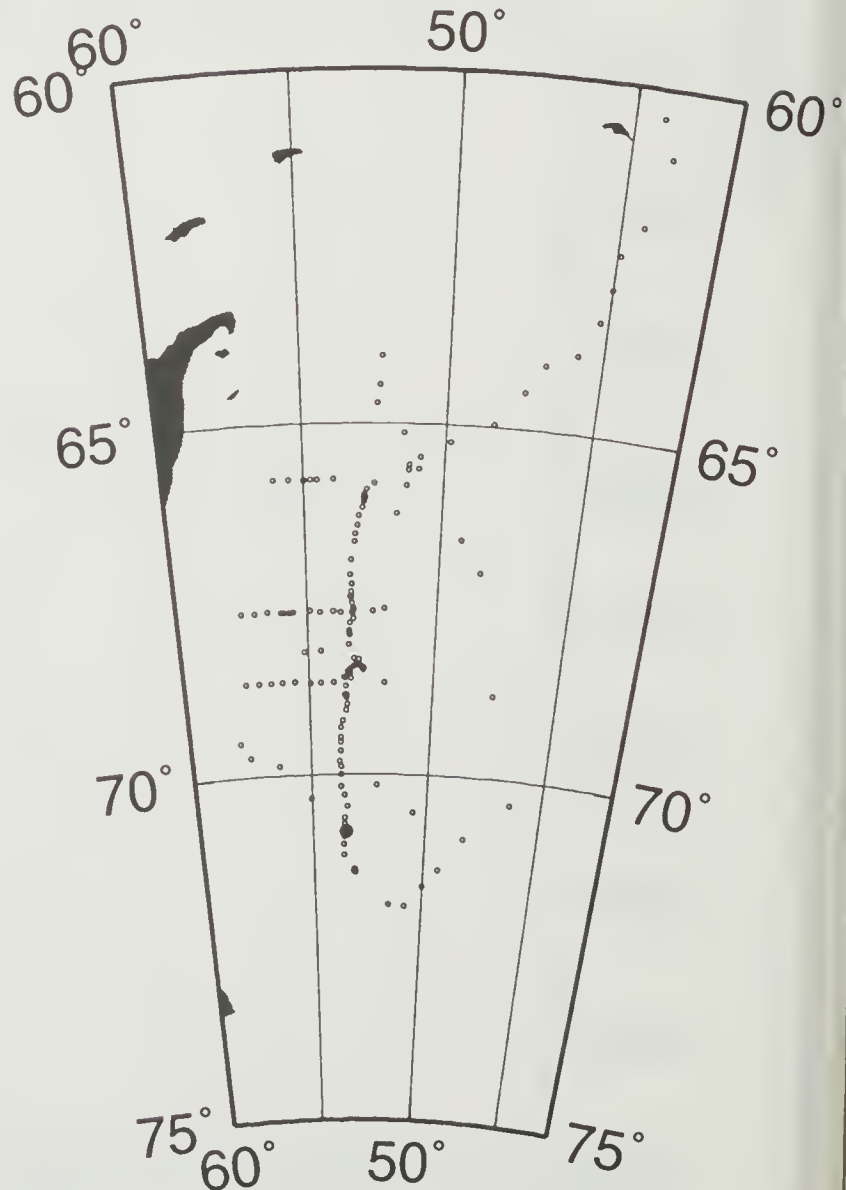
ISW-I -70.8095 -53.5415 92/03/13 73 19:08 CAMP STA# 9

bottom depth = 2343

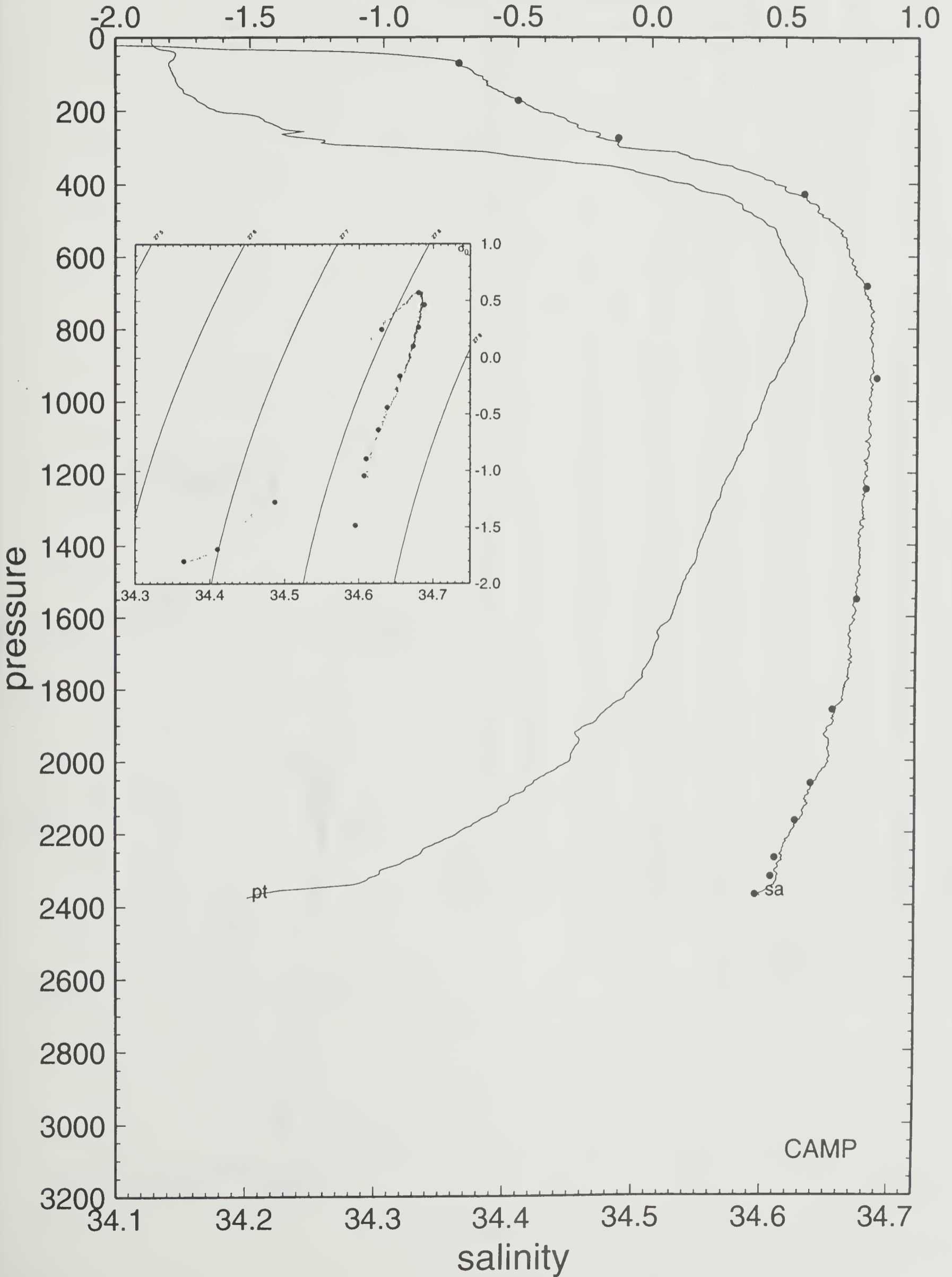
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.865	-1.865	34.067	27.424	32.198	36.864	0.00	64.6
10	-1.864	-1.864	34.062	27.420	32.194	36.860	-1.13	64.9
20	-1.862	-1.862	34.082	27.436	32.210	36.876	2.25	63.3
30	-1.842	-1.843	34.172	27.509	32.281	36.946	4.77	56.4
40	-1.780	-1.781	34.281	27.596	32.365	37.027	5.22	48.1
50	-1.776	-1.777	34.322	27.629	32.398	37.059	3.22	44.9
60	-1.784	-1.785	34.352	27.654	32.423	37.084	2.78	42.5
70	-1.799	-1.800	34.365	27.665	32.434	37.096	1.86	41.4
80	-1.797	-1.799	34.367	27.666	32.435	37.097	0.70	41.2
90	-1.791	-1.793	34.374	27.672	32.441	37.102	1.31	40.6
100	-1.785	-1.787	34.377	27.674	32.443	37.104	0.84	40.3
110	-1.776	-1.778	34.383	27.679	32.447	37.108	1.20	39.8
120	-1.772	-1.774	34.387	27.682	32.450	37.111	0.99	39.5
130	-1.766	-1.769	34.387	27.682	32.450	37.110	-0.24	39.4
140	-1.747	-1.750	34.391	27.685	32.452	37.112	0.91	39.1
150	-1.743	-1.746	34.397	27.689	32.456	37.116	1.22	38.6
160	-1.713	-1.716	34.401	27.692	32.458	37.117	0.84	38.3
170	-1.695	-1.699	34.409	27.698	32.463	37.121	1.36	37.7
180	-1.672	-1.676	34.415	27.702	32.467	37.124	1.13	37.3
190	-1.651	-1.655	34.420	27.705	32.469	37.126	1.02	36.9
200	-1.622	-1.627	34.425	27.709	32.472	37.128	0.97	36.6
210	-1.501	-1.506	34.438	27.716	32.475	37.127	1.38	35.9
220	-1.454	-1.459	34.445	27.720	32.477	37.128	1.10	35.5
230	-1.431	-1.437	34.449	27.722	32.479	37.129	0.86	35.3
240	-1.399	-1.405	34.456	27.727	32.483	37.132	1.17	34.8
250	-1.368	-1.374	34.458	27.728	32.482	37.130	0.34	34.7
260	-1.333	-1.340	34.471	27.737	32.491	37.137	1.69	33.8
270	-1.331	-1.338	34.472	27.738	32.491	37.138	0.48	33.7
280	-1.214	-1.222	34.478	27.739	32.489	37.132	-0.24	33.7
290	-1.200	-1.208	34.487	27.745	32.495	37.137	1.44	33.0
300	-0.941	-0.950	34.488	27.736	32.478	37.113	-1.87	34.0
325	-0.507	-0.518	34.542	27.762	32.490	37.111	1.62	32.0
350	-0.171	-0.184	34.571	27.769	32.487	37.098	0.70	31.6
375	-0.003	-0.017	34.594	27.779	32.492	37.098	1.01	30.8
400	0.151	0.135	34.608	27.783	32.490	37.092	0.41	30.7
425	0.238	0.221	34.620	27.788	32.493	37.092	0.69	30.3
450	0.333	0.314	34.635	27.794	32.496	37.093	0.83	29.8
475	0.373	0.353	34.641	27.797	32.498	37.093	0.51	29.6
500	0.437	0.415	34.650	27.801	32.500	37.093	0.58	29.4
550	0.501	0.477	34.664	27.808	32.505	37.097	0.64	28.8
600	0.534	0.507	34.666	27.808	32.504	37.095	-0.21	28.9
650	0.579	0.549	34.672	27.810	32.505	37.095	0.31	28.9
700	0.606	0.573	34.679	27.815	32.509	37.097	0.48	28.6
750	0.610	0.575	34.686	27.820	32.514	37.103	0.59	28.1
800	0.584	0.546	34.685	27.821	32.516	37.105	0.31	28.1
850	0.562	0.522	34.685	27.822	32.518	37.108	0.36	27.9
900	0.531	0.488	34.685	27.824	32.521	37.112	0.42	27.7
950	0.491	0.446	34.684	27.826	32.524	37.116	0.42	27.5
1000	0.467	0.419	34.683	27.827	32.526	37.119	0.31	27.5
1100	0.411	0.358	34.683	27.831	32.531	37.126	0.41	27.1
1200	0.355	0.296	34.679	27.831	32.533	37.130	0.27	26.9
1300	0.298	0.234	34.677	27.833	32.537	37.135	0.36	26.6
1400	0.251	0.181	34.674	27.833	32.539	37.139	0.29	26.4
1500	0.201	0.126	34.674	27.836	32.544	37.145	0.41	26.0
1600	0.157	0.076	34.670	27.836	32.545	37.148	0.24	25.9
1700	0.095	0.008	34.669	27.839	32.550	37.154	0.44	25.4
1800	0.022	-0.070	34.663	27.838	32.551	37.158	0.33	25.1
1900	-0.136	-0.233	34.655	27.840	32.558	37.170	0.58	24.1
2000	-0.199	-0.302	34.651	27.840	32.560	37.174	0.36	23.7
2100	-0.417	-0.523	34.634	27.837	32.564	37.185	0.57	22.6
2200	-0.611	-0.720	34.623	27.836	32.570	37.196	0.63	21.3
2300	-0.896	-1.007	34.611	27.838	32.581	37.216	0.82	19.2
2375	-1.395	-1.502	34.599	27.846	32.604	37.254	1.34	14.9

PRES	TEMPER	POTEMP	SLINTY	OXYG
10	-1.864	-1.864	34.060	7.842
71	-1.799	-1.800	34.365	7.171
173	-1.691	-1.695	34.410	7.123
275	-1.270	-1.277	34.487	6.266
428	0.263	0.245	34.631	5.101
682	0.602	0.570	34.680	4.772
937	0.509	0.464	34.688	4.815
1244	0.326	0.265	34.680	4.877
1551	0.177	0.099	34.673	4.963
1858	-0.069	-0.164	34.655	5.262
2063	-0.336	-0.441	34.638	5.565
2166	-0.531	-0.639	34.626	5.801
2269	-0.784	-0.895	34.610	6.135
2320	-0.934	-1.046	34.607	5.626
2371	-1.377	-1.484	34.595	6.740

# CAMP 9



# potential temperature



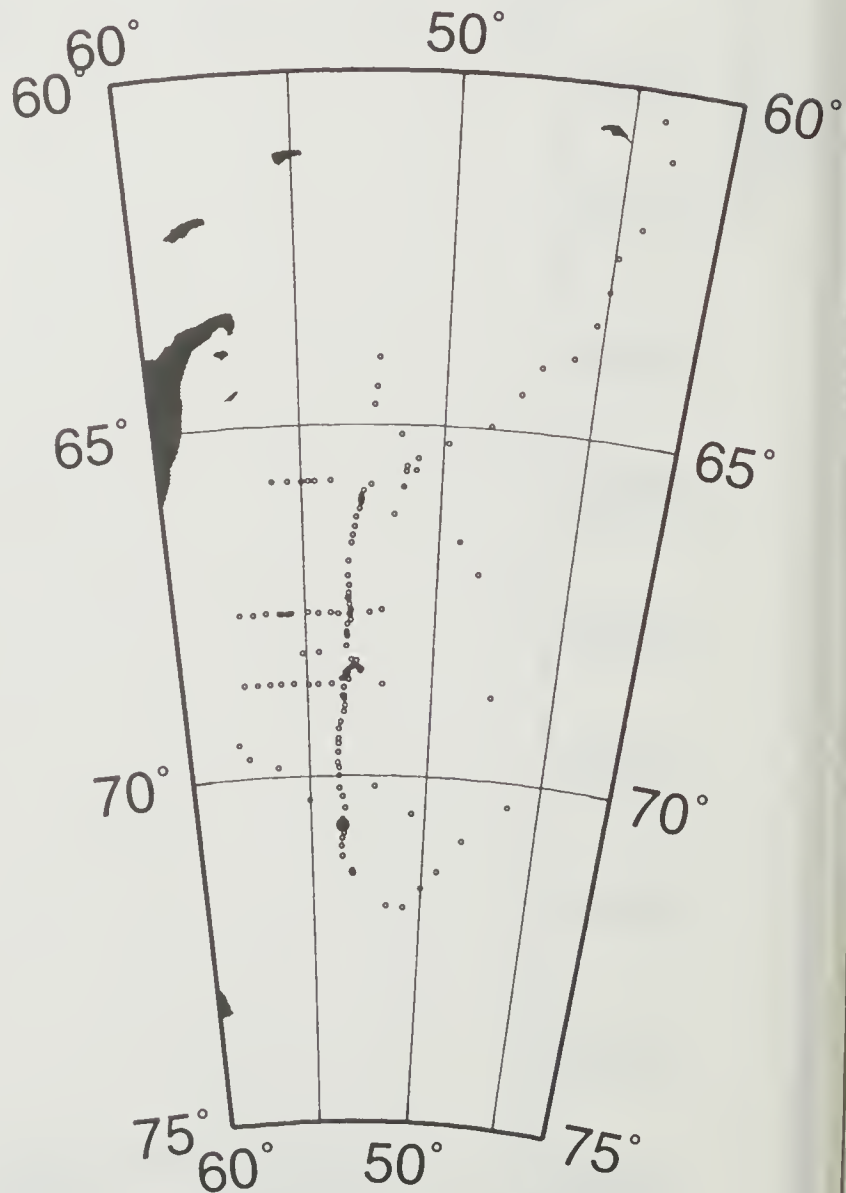
ISW-I -70.6988 -53.6152 92/03/14 74 17:25 CAMP STA# 10

bottom depth = 2426

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.863	-1.863	34.144	27.487	32.260	36.925	0.00	58.7
10	-1.865	-1.865	34.151	27.492	32.266	36.931	1.34	58.1
20	-1.865	-1.865	34.153	27.494	32.267	36.933	0.71	57.8
30	-1.863	-1.864	34.156	27.496	32.269	36.935	0.87	57.5
40	-1.798	-1.799	34.264	27.583	32.353	37.015	5.19	49.3
50	-1.773	-1.774	34.359	27.659	32.428	37.089	4.89	42.0
60	-1.769	-1.770	34.376	27.673	32.441	37.102	2.07	40.7
70	-1.754	-1.755	34.389	27.683	32.451	37.111	1.78	39.7
80	-1.747	-1.749	34.393	27.686	32.453	37.113	0.98	39.3
90	-1.731	-1.733	34.399	27.691	32.457	37.117	1.17	38.8
100	-1.691	-1.693	34.409	27.698	32.463	37.121	1.47	38.1
110	-1.664	-1.666	34.413	27.700	32.465	37.122	0.86	37.8
120	-1.634	-1.637	34.420	27.705	32.468	37.125	1.21	37.3
130	-1.599	-1.602	34.427	27.710	32.472	37.127	1.19	36.9
140	-1.676	-1.679	34.431	27.715	32.480	37.137	1.35	36.3
150	-1.651	-1.654	34.434	27.717	32.481	37.137	0.71	36.1
160	-1.569	-1.573	34.442	27.721	32.482	37.136	1.07	35.7
170	-1.378	-1.382	34.451	27.722	32.477	37.125	0.29	35.6
180	-1.455	-1.459	34.458	27.730	32.488	37.138	1.64	34.7
190	-1.606	-1.610	34.460	27.737	32.499	37.154	1.50	34.0
200	-1.668	-1.672	34.459	27.738	32.502	37.159	0.66	33.8
210	-1.662	-1.667	34.459	27.737	32.502	37.158	-0.25	33.8
220	-1.443	-1.448	34.462	27.733	32.490	37.140	-1.34	34.3
230	-1.299	-1.305	34.477	27.741	32.493	37.139	1.41	33.6
240	-1.076	-1.083	34.489	27.742	32.488	37.127	0.19	33.6
250	-0.916	-0.923	34.500	27.745	32.486	37.120	0.69	33.4
260	-0.961	-0.969	34.528	27.770	32.511	37.146	2.78	31.0
270	-0.668	-0.677	34.528	27.758	32.490	37.117	-2.12	32.4
280	-0.698	-0.707	34.534	27.764	32.497	37.125	1.41	31.7
290	-0.757	-0.766	34.539	27.770	32.506	37.135	1.49	31.0
300	-0.622	-0.632	34.543	27.768	32.499	37.124	-1.08	31.4
325	-0.293	-0.305	34.571	27.775	32.496	37.111	0.74	30.9
350	0.013	-0.000	34.601	27.784	32.496	37.102	0.84	30.4
375	0.178	0.163	34.620	27.791	32.497	37.098	0.77	29.9
400	0.274	0.258	34.633	27.796	32.500	37.098	0.71	29.5
425	0.361	0.343	34.642	27.798	32.500	37.095	0.40	29.4
450	0.391	0.372	34.648	27.801	32.502	37.096	0.59	29.2
475	0.425	0.405	34.654	27.804	32.504	37.097	0.55	29.0
500	0.462	0.440	34.658	27.806	32.504	37.096	0.27	28.9
550	0.515	0.491	34.667	27.810	32.507	37.098	0.46	28.7
600	0.568	0.541	34.672	27.811	32.506	37.096	0.09	28.7
650	0.582	0.552	34.679	27.816	32.511	37.100	0.54	28.3
700	0.573	0.541	34.681	27.818	32.513	37.103	0.40	28.2
750	0.556	0.521	34.682	27.820	32.516	37.106	0.39	28.0
800	0.543	0.505	34.682	27.821	32.517	37.108	0.28	28.0
850	0.518	0.478	34.681	27.822	32.519	37.110	0.31	27.9
900	0.488	0.445	34.681	27.824	32.522	37.114	0.42	27.7
950	0.465	0.420	34.681	27.825	32.524	37.117	0.37	27.6
1000	0.445	0.397	34.680	27.826	32.525	37.119	0.27	27.5
1100	0.382	0.329	34.680	27.830	32.531	37.127	0.43	27.0
1200	0.331	0.273	34.678	27.831	32.534	37.132	0.33	26.8
1300	0.274	0.210	34.679	27.836	32.541	37.139	0.45	26.3
1400	0.221	0.152	34.674	27.835	32.542	37.142	0.22	26.2
1500	0.174	0.099	34.674	27.838	32.546	37.148	0.40	25.8
1600	0.140	0.059	34.672	27.838	32.548	37.151	0.27	25.6
1700	0.091	0.004	34.671	27.840	32.551	37.156	0.39	25.2
1800	0.047	-0.046	34.666	27.839	32.552	37.158	0.20	25.1
1900	-0.008	-0.107	34.667	27.843	32.557	37.166	0.48	24.4
2000	-0.084	-0.188	34.660	27.842	32.558	37.169	0.32	24.2
2100	-0.254	-0.363	34.648	27.840	32.563	37.179	0.55	23.2
2200	-0.469	-0.581	34.629	27.835	32.564	37.187	0.53	22.3
2300	-0.653	-0.769	34.621	27.837	32.572	37.200	0.67	20.9
2400	-0.958	-1.075	34.609	27.839	32.584	37.221	0.87	18.4
2455	-1.486	-1.596	34.599	27.849	32.610	37.263	1.66	13.8

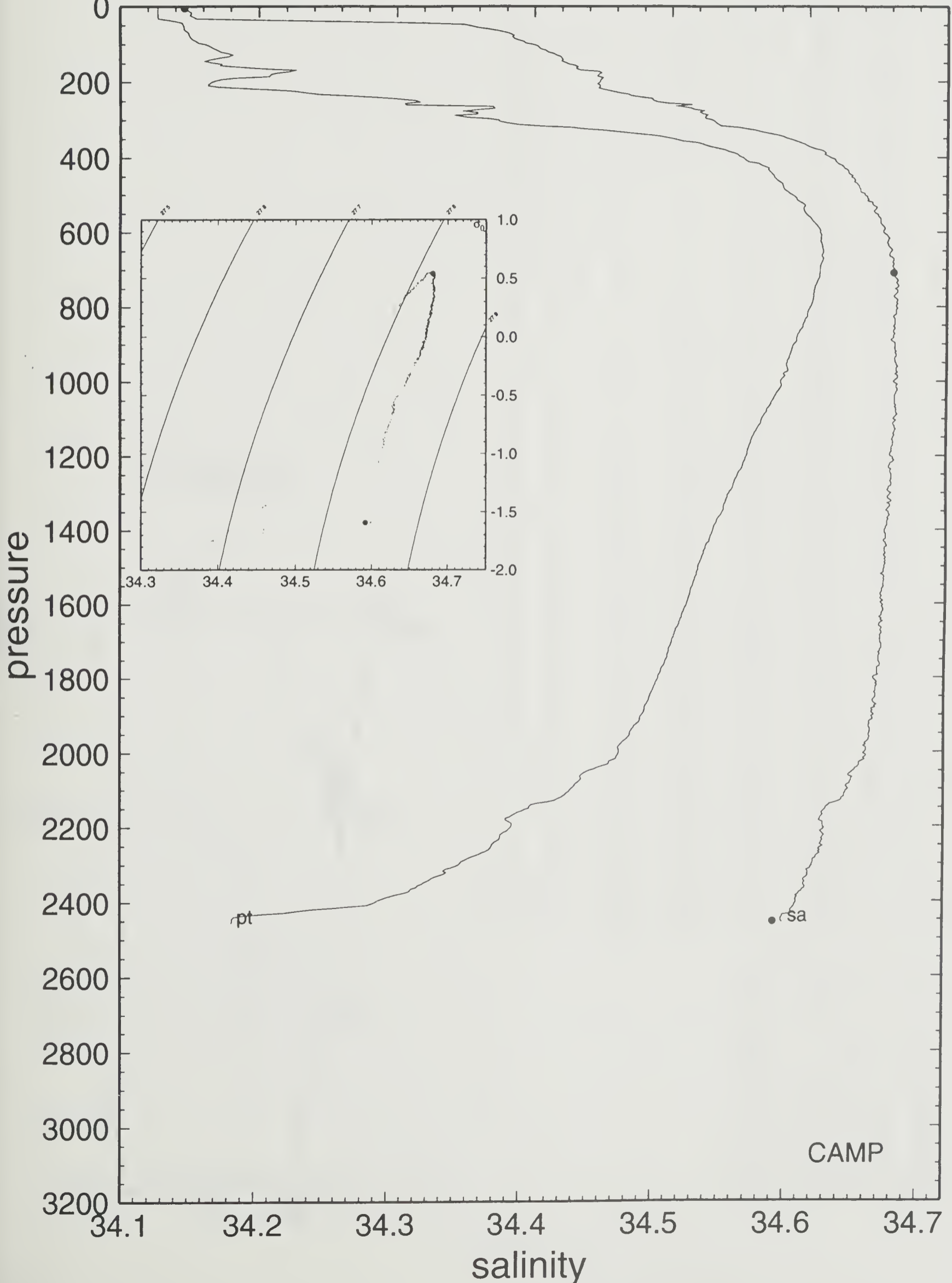
PRES	TEMPER	POTEMP	SLINTY	OXYG
5	-1.865	-1.865	34.148	7.812
709	0.572	0.539	34.680	5.073
2453	-1.485	-1.595	34.592	6.953

# CAMP 10



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



CAMP

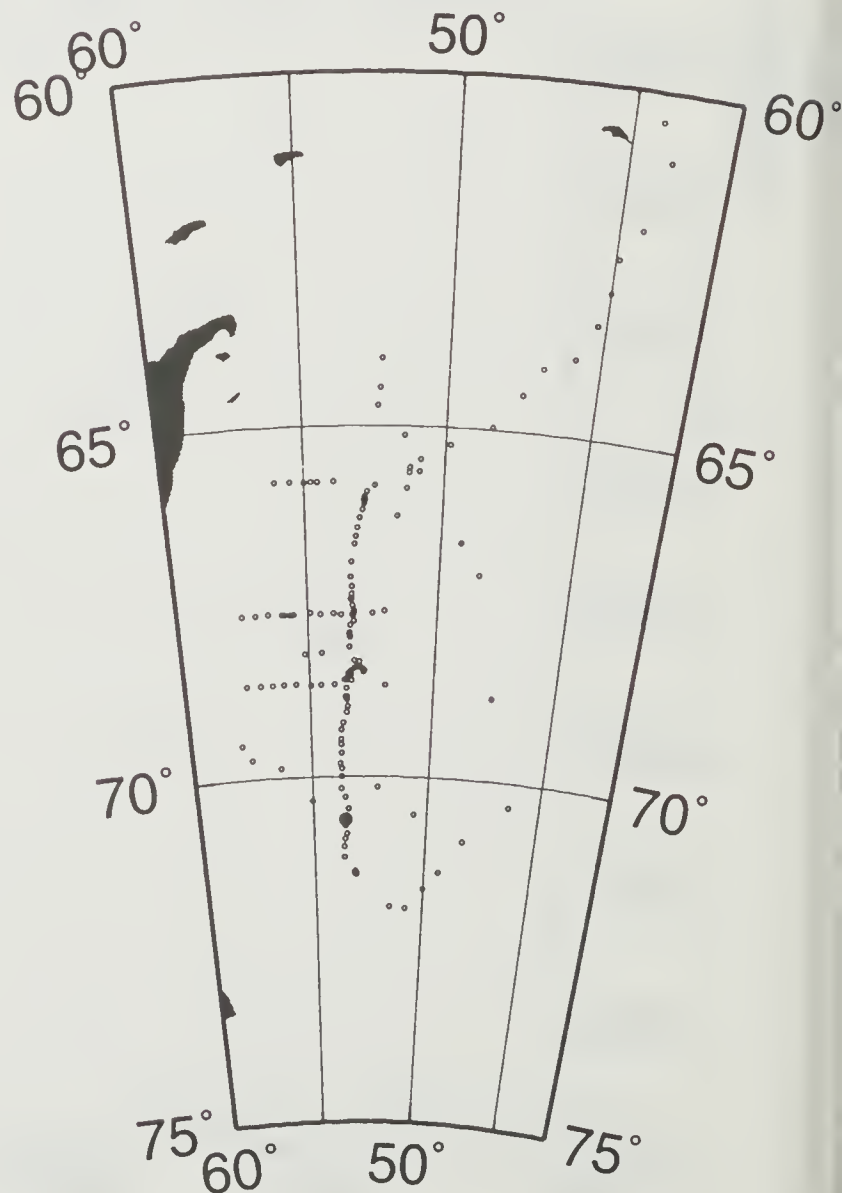
ISW-I -70.6103 -53.5827 92/03/16 76 03:42 CAMP STA# 11

bottom depth = 2502

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.869	-1.869	34.171	27.509	32.282	36.947	0.00	56.6
10	-1.869	-1.869	34.174	27.511	32.284	36.950	0.87	56.3
20	-1.856	-1.856	34.197	27.530	32.302	36.967	2.40	54.5
30	-1.821	-1.822	34.265	27.584	32.355	37.018	4.13	49.3
40	-1.779	-1.780	34.382	27.678	32.446	37.107	5.42	40.3
50	-1.769	-1.770	34.399	27.692	32.459	37.120	2.06	39.0
60	-1.750	-1.751	34.409	27.699	32.466	37.126	1.54	38.2
70	-1.722	-1.723	34.421	27.708	32.474	37.133	1.67	37.3
80	-1.696	-1.698	34.426	27.712	32.477	37.135	1.01	36.9
90	-1.677	-1.679	34.433	27.717	32.481	37.139	1.26	36.4
100	-1.629	-1.631	34.443	27.723	32.487	37.142	1.44	35.7
110	-1.613	-1.615	34.446	27.725	32.488	37.143	0.77	35.5
120	-1.635	-1.638	34.453	27.732	32.495	37.151	1.42	34.8
130	-1.623	-1.626	34.458	27.735	32.498	37.154	1.07	34.4
140	-1.684	-1.687	34.460	27.739	32.504	37.161	1.07	34.0
150	-1.707	-1.710	34.462	27.741	32.507	37.165	0.87	33.7
160	-1.602	-1.606	34.462	27.738	32.500	37.155	-1.06	34.0
170	-1.612	-1.616	34.472	27.747	32.509	37.164	1.63	33.2
180	-1.703	-1.707	34.474	27.751	32.516	37.174	1.22	32.7
190	-1.699	-1.703	34.472	27.749	32.514	37.172	-0.74	32.8
200	-1.721	-1.725	34.474	27.751	32.517	37.176	0.86	32.5
210	-1.687	-1.692	34.475	27.751	32.516	37.173	-0.34	32.5
220	-1.618	-1.623	34.477	27.751	32.513	37.169	-0.52	32.5
230	-1.598	-1.603	34.483	27.755	32.517	37.172	1.14	32.0
240	-1.663	-1.668	34.485	27.759	32.523	37.179	1.12	31.6
250	-1.602	-1.608	34.486	27.758	32.520	37.174	-0.67	31.7
260	-1.407	-1.414	34.487	27.752	32.508	37.157	-1.46	32.3
270	-1.099	-1.107	34.506	27.757	32.503	37.143	0.81	32.1
280	-0.908	-0.916	34.526	27.766	32.506	37.140	1.50	31.3
290	-0.839	-0.848	34.542	27.776	32.514	37.145	1.73	30.4
300	-0.997	-1.006	34.542	27.782	32.525	37.161	1.55	29.7
325	-0.236	-0.248	34.580	27.780	32.499	37.112	-1.12	30.5
350	-0.139	-0.152	34.607	27.797	32.513	37.123	1.41	29.0
375	0.113	0.098	34.612	27.788	32.497	37.099	-1.22	30.1
400	0.365	0.348	34.647	27.802	32.503	37.098	1.19	29.1
425	0.393	0.375	34.653	27.805	32.506	37.100	0.61	28.8
450	0.454	0.435	34.660	27.808	32.506	37.099	0.41	28.7
475	0.477	0.456	34.666	27.811	32.509	37.101	0.64	28.4
500	0.459	0.437	34.666	27.812	32.510	37.103	0.42	28.3
550	0.516	0.492	34.673	27.815	32.511	37.102	0.31	28.2
600	0.586	0.559	34.678	27.815	32.509	37.098	-0.27	28.4
650	0.598	0.568	34.685	27.820	32.514	37.103	0.55	28.0
700	0.589	0.556	34.688	27.823	32.517	37.106	0.46	27.8
750	0.564	0.529	34.688	27.824	32.520	37.110	0.37	27.6
800	0.530	0.493	34.686	27.825	32.521	37.112	0.30	27.6
850	0.500	0.460	34.687	27.828	32.525	37.117	0.47	27.3
900	0.465	0.423	34.684	27.828	32.526	37.119	0.22	27.3
950	0.441	0.396	34.684	27.829	32.528	37.122	0.38	27.1
1000	0.413	0.365	34.682	27.829	32.530	37.124	0.26	27.1
1100	0.355	0.302	34.681	27.832	32.534	37.131	0.39	26.7
1200	0.296	0.238	34.681	27.836	32.540	37.138	0.43	26.3
1300	0.255	0.191	34.679	27.837	32.542	37.142	0.29	26.1
1400	0.210	0.141	34.675	27.836	32.543	37.144	0.23	26.0
1500	0.166	0.091	34.677	27.841	32.549	37.151	0.45	25.5
1600	0.127	0.046	34.674	27.841	32.550	37.154	0.25	25.3
1700	0.083	-0.004	34.671	27.841	32.552	37.157	0.29	25.1
1800	0.044	-0.049	34.670	27.842	32.555	37.162	0.35	24.8
1900	-0.005	-0.104	34.670	27.845	32.560	37.168	0.43	24.3
2000	-0.044	-0.149	34.668	27.846	32.562	37.171	0.32	24.0
2100	-0.081	-0.192	34.666	27.847	32.564	37.174	0.32	23.7
2200	-0.147	-0.264	34.663	27.848	32.567	37.180	0.42	23.1
2300	-0.238	-0.361	34.657	27.848	32.570	37.185	0.45	22.5
2400	-0.551	-0.676	34.631	27.841	32.573	37.198	0.70	21.0
2500	-0.950	-1.074	34.611	27.841	32.585	37.223	0.96	18.1
2540	-1.391	-1.509	34.600	27.847	32.605	37.256	1.76	14.3

PRES	TEMPER	POTEMP	SLINTY	OXYG
5	-1.869	-1.869	34.160	7.340
30	-1.821	-1.822	34.311	7.128
147	-1.709	-1.712	34.452	6.716
259	-1.430	-1.436	34.501	6.316
412	0.386	0.369	34.681	5.057
667	0.615	0.584		4.899
871	0.492	0.451	34.682	4.882
1126	0.340	0.286	34.677	5.009
1433	0.195	0.124	34.671	5.073
1740	0.068	-0.021	34.666	5.212
2048	-0.060	-0.168	34.663	5.245
2253	-0.183	-0.304	34.656	5.422
2407	-0.557	-0.682	34.624	5.867
2489	-0.922	-1.046	34.603	6.242
2541	-1.391	-1.509	34.591	6.766

# CAMP 11





11

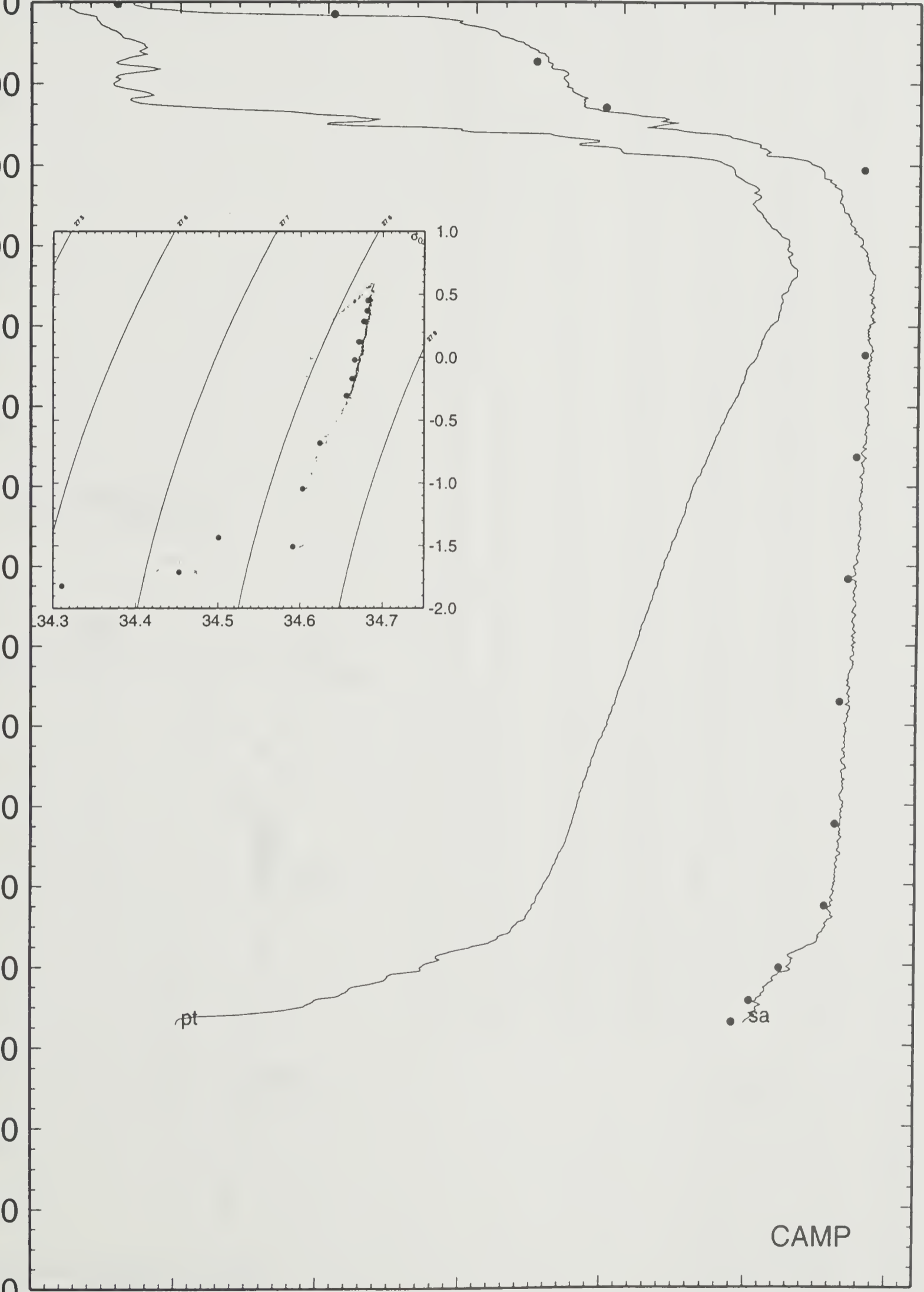
92/03/16 03:42

70 36.62 S 53 34.96 W

CAMP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



pressure

CAMP

salinity

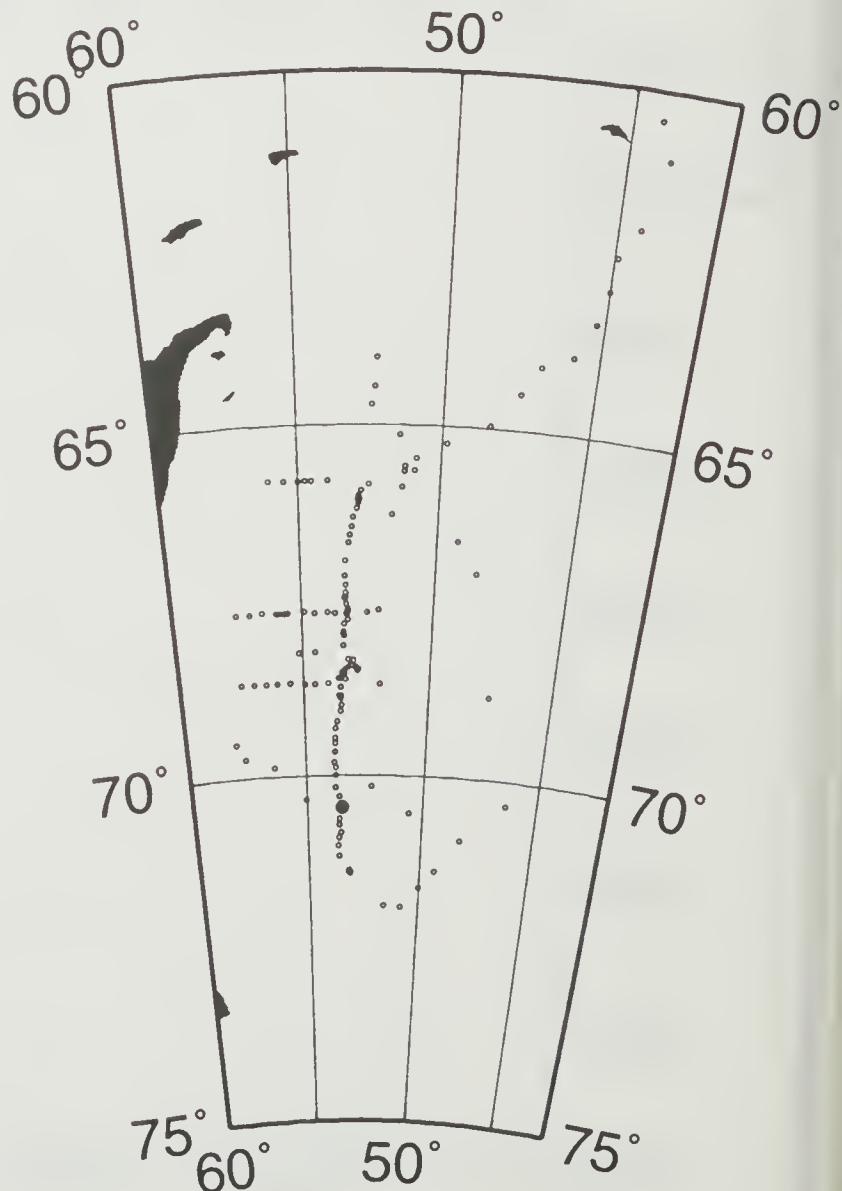
ISW-I -70.4508 -53.4750 92/03/18 78 17:15 CAMP STA# 13

bottom depth = 2681

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.867	-1.867	34.163	27.502	32.275	36.941	0.00	57.2
10	-1.867	-1.867	34.166	27.505	32.278	36.943	0.87	56.9
20	-1.866	-1.866	34.165	27.504	32.277	36.942	-0.51	56.9
30	-1.862	-1.863	34.169	27.507	32.280	36.945	0.99	56.5
40	-1.761	-1.762	34.315	27.623	32.391	37.052	6.02	45.5
50	-1.715	-1.716	34.421	27.708	32.474	37.133	5.15	37.4
60	-1.704	-1.705	34.440	27.723	32.489	37.147	2.17	35.9
70	-1.679	-1.680	34.451	27.731	32.496	37.153	1.60	35.1
80	-1.679	-1.681	34.454	27.734	32.498	37.156	0.87	34.8
90	-1.658	-1.660	34.460	27.738	32.502	37.159	1.15	34.4
100	-1.654	-1.656	34.467	27.744	32.507	37.164	1.32	33.8
110	-1.668	-1.670	34.471	27.747	32.511	37.168	1.08	33.4
120	-1.655	-1.658	34.471	27.747	32.511	37.167	-0.36	33.4
130	-1.674	-1.677	34.476	27.752	32.516	37.173	1.21	32.9
140	-1.661	-1.664	34.476	27.751	32.515	37.172	-0.36	32.9
150	-1.601	-1.604	34.479	27.752	32.514	37.169	0.35	32.8
160	-1.504	-1.508	34.486	27.755	32.513	37.165	0.84	32.5
170	-1.339	-1.343	34.496	27.757	32.511	37.158	0.77	32.3
180	-1.187	-1.192	34.504	27.759	32.507	37.149	0.34	32.2
190	-1.099	-1.104	34.513	27.763	32.509	37.148	1.06	31.8
200	-0.970	-0.976	34.519	27.763	32.505	37.140	-0.51	31.9
210	-0.792	-0.798	34.542	27.774	32.510	37.140	1.80	30.9
220	-0.457	-0.464	34.562	27.776	32.502	37.121	-0.48	30.9
230	-0.322	-0.330	34.576	27.781	32.502	37.118	1.12	30.5
240	-0.392	-0.400	34.577	27.785	32.509	37.126	1.21	30.1
250	-0.384	-0.393	34.580	27.787	32.511	37.128	0.79	29.9
260	-0.208	-0.217	34.588	27.785	32.503	37.115	-1.03	30.2
270	-0.016	-0.026	34.606	27.790	32.502	37.108	1.00	29.9
280	0.063	0.052	34.615	27.793	32.503	37.107	0.87	29.6
290	0.105	0.094	34.621	27.795	32.504	37.107	0.84	29.4
300	0.113	0.101	34.627	27.800	32.508	37.111	1.17	29.0
325	0.083	0.070	34.628	27.802	32.512	37.115	0.59	28.7
350	0.280	0.266	34.643	27.804	32.507	37.105	-0.29	28.8
375	0.381	0.365	34.651	27.804	32.505	37.100	-0.21	28.9
400	0.438	0.421	34.660	27.808	32.507	37.100	0.65	28.6
425	0.473	0.455	34.664	27.810	32.507	37.099	0.32	28.5
450	0.498	0.478	34.669	27.812	32.509	37.101	0.54	28.3
475	0.525	0.504	34.672	27.813	32.509	37.100	0.26	28.3
500	0.549	0.527	34.676	27.815	32.510	37.100	0.44	28.2
550	0.577	0.552	34.681	27.817	32.512	37.101	0.36	28.1
600	0.570	0.543	34.681	27.818	32.513	37.102	0.21	28.1
650	0.560	0.530	34.683	27.820	32.516	37.105	0.40	27.9
700	0.540	0.508	34.685	27.823	32.519	37.110	0.46	27.6
750	0.519	0.484	34.686	27.826	32.522	37.113	0.41	27.4
800	0.484	0.447	34.684	27.826	32.524	37.116	0.30	27.4
850	0.458	0.418	34.684	27.828	32.526	37.119	0.38	27.2
900	0.432	0.390	34.682	27.828	32.527	37.121	0.22	27.2
950	0.405	0.360	34.682	27.830	32.530	37.125	0.40	27.0
1000	0.376	0.329	34.680	27.830	32.531	37.127	0.27	26.9
1100	0.323	0.270	34.679	27.832	32.535	37.133	0.37	26.6
1200	0.276	0.218	34.678	27.834	32.539	37.138	0.35	26.3
1300	0.225	0.162	34.677	27.837	32.543	37.143	0.37	26.0
1400	0.186	0.117	34.675	27.838	32.545	37.147	0.29	25.8
1500	0.141	0.066	34.673	27.839	32.548	37.151	0.32	25.5
1600	0.110	0.029	34.671	27.839	32.549	37.154	0.25	25.4
1700	0.075	-0.012	34.672	27.842	32.554	37.159	0.39	25.0
1800	0.037	-0.056	34.668	27.841	32.554	37.161	0.21	24.9
1900	0.009	-0.090	34.671	27.845	32.559	37.167	0.43	24.3
2000	-0.017	-0.122	34.668	27.845	32.559	37.168	0.19	24.2
2100	-0.041	-0.153	34.669	27.847	32.563	37.172	0.36	23.9
2200	-0.065	-0.184	34.665	27.845	32.562	37.173	0.10	23.9
2300	-0.103	-0.229	34.665	27.848	32.566	37.177	0.40	23.4
2400	-0.150	-0.282	34.662	27.848	32.567	37.181	0.35	23.0
2500	-0.270	-0.407	34.652	27.846	32.569	37.186	0.47	22.3
2600	-0.516	-0.656	34.631	27.840	32.571	37.196	0.65	21.0
2700	-0.920	-1.059	34.609	27.839	32.583	37.220	0.98	18.0
2720	-1.102	-1.239	34.604	27.841	32.591	37.233	1.64	16.3

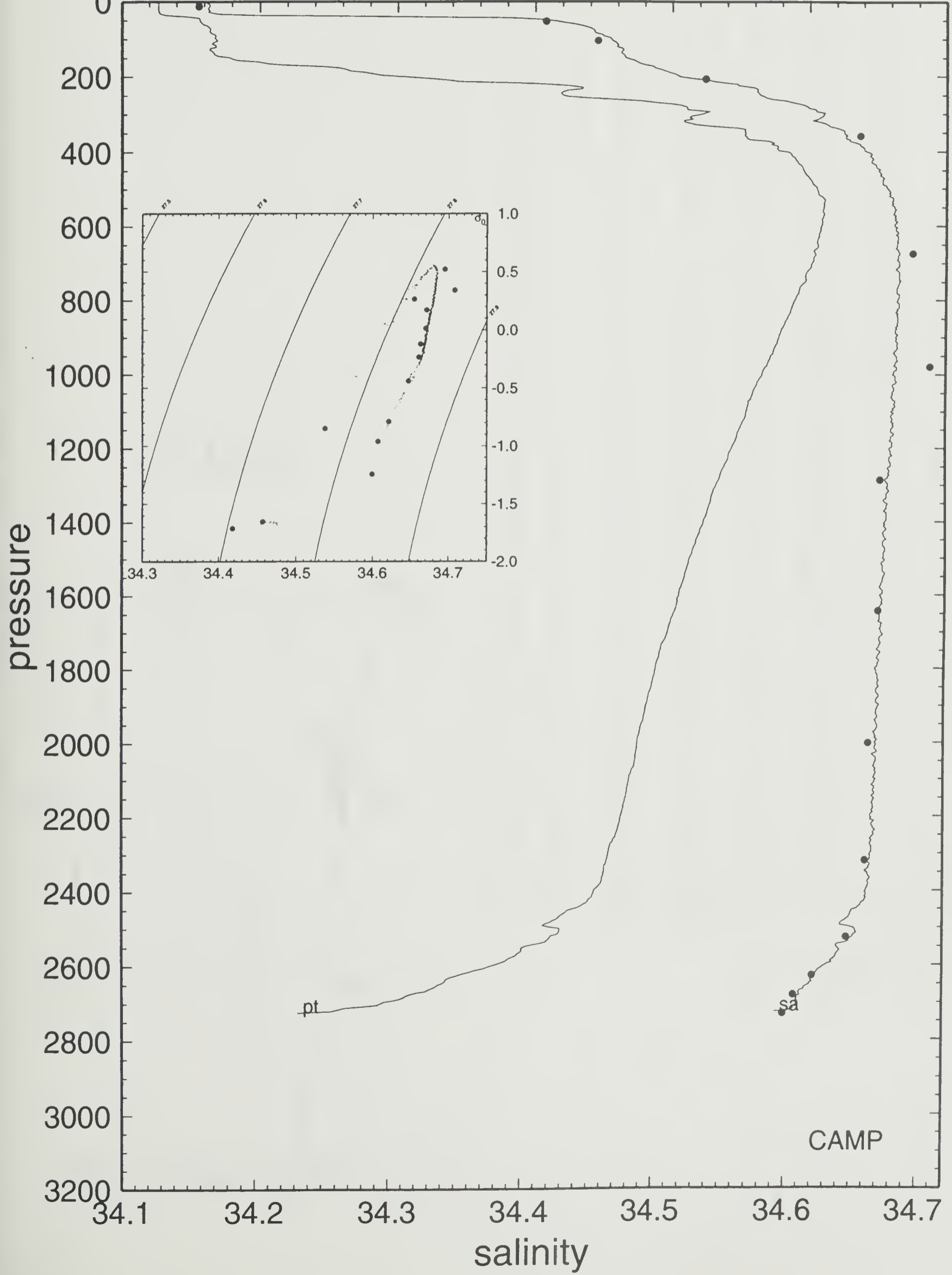
PRES	TEMPER	POTEMP	SLINTY	OXYG
13	-1.867	-1.867	34.158	7.347
53	-1.714	-1.715	34.418	6.912
104	-1.651	-1.653	34.457	6.713
206	-0.842	-0.848	34.538	5.955
358	0.280	0.265	34.655	5.113
674	0.553	0.522	34.695	4.923
979	0.388	0.342	34.708	4.923
1286	0.234	0.171	34.671	5.024
1643	0.097	0.014	34.670	5.127
2002	-0.017	-0.123	34.663	5.241
2319	-0.108	-0.235	34.661	5.289
2525	-0.302	-0.441	34.647	5.422
2628	-0.649	-0.788	34.621	5.915
2679	-0.822	-0.962	34.607	6.180
2730	-1.103	-1.241	34.599	6.504

# CAMP 13



potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



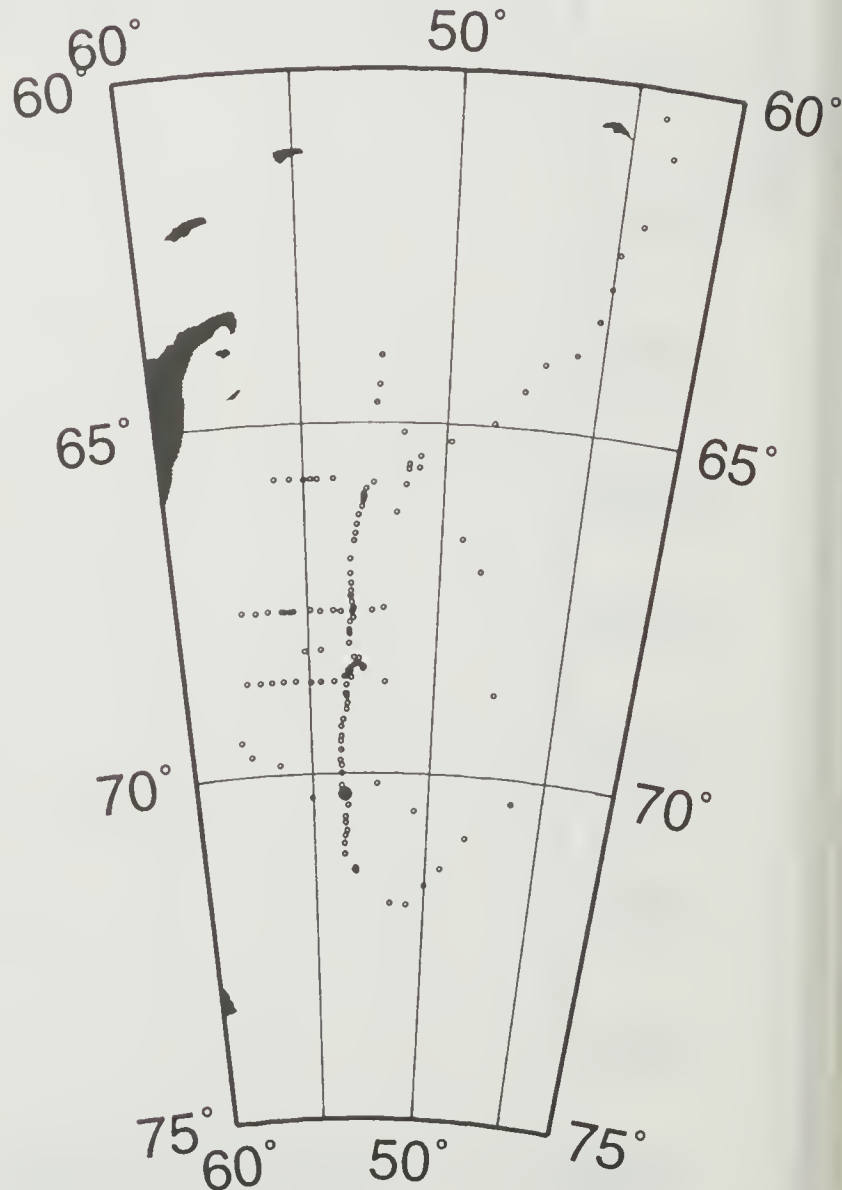
ISW-I -70.2900 -53.6135 92/03/19 79 17:33 CAMP STA# 14

bottom depth = 2774

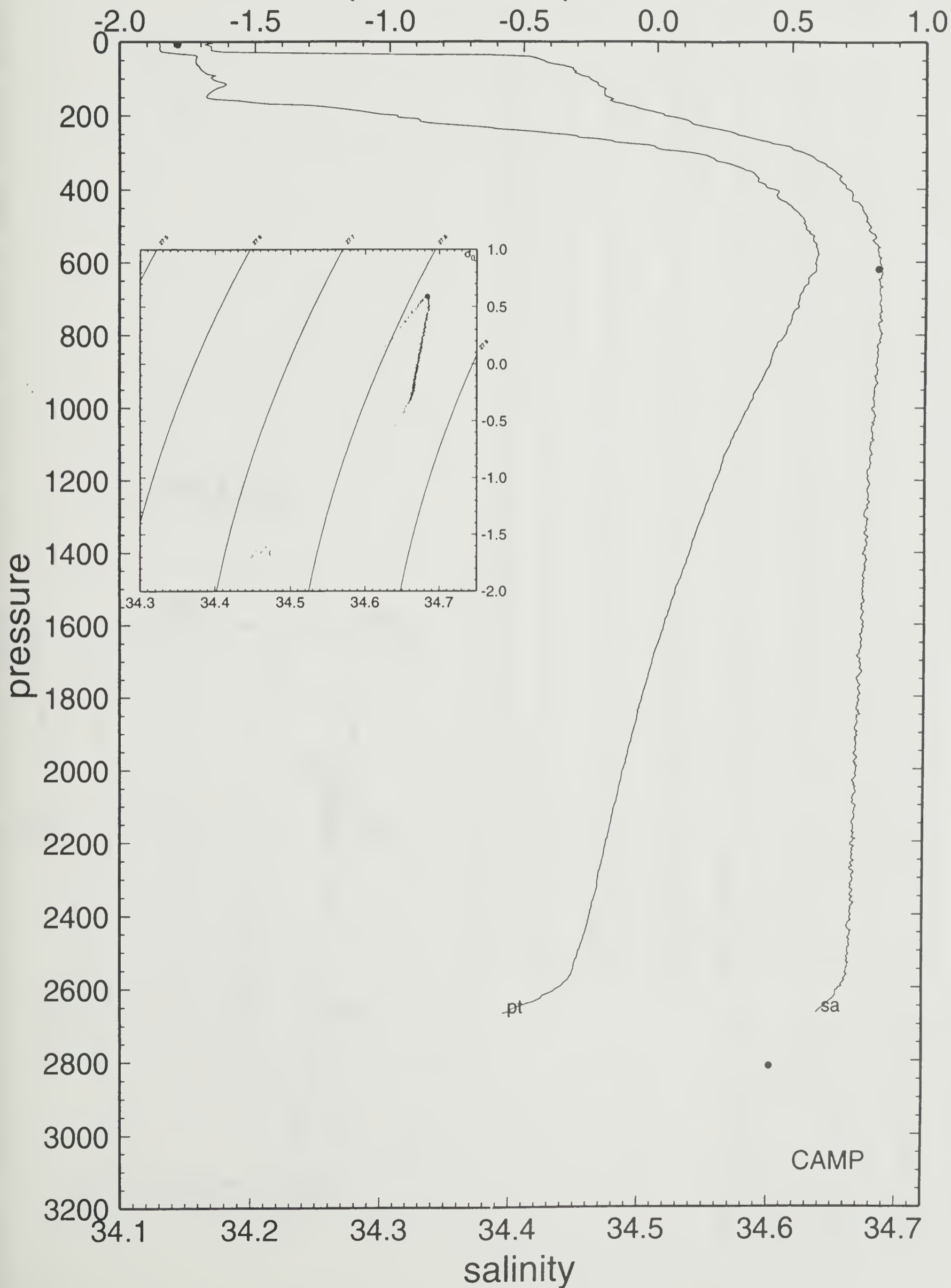
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.854	-1.854	34.171	27.508	32.281	36.946	0.00	56.6
10	-1.853	-1.853	34.167	27.505	32.278	36.943	-1.01	56.8
20	-1.853	-1.853	34.170	27.508	32.280	36.945	0.87	56.6
30	-1.817	-1.818	34.218	27.546	32.317	36.980	3.45	52.9
40	-1.713	-1.714	34.414	27.702	32.468	37.127	7.00	38.0
50	-1.718	-1.719	34.424	27.711	32.477	37.135	1.61	37.2
60	-1.716	-1.717	34.433	27.718	32.484	37.142	1.51	36.4
70	-1.703	-1.704	34.446	27.728	32.493	37.151	1.78	35.4
80	-1.690	-1.692	34.450	27.731	32.496	37.153	0.95	35.1
90	-1.660	-1.662	34.453	27.732	32.496	37.153	0.68	34.9
100	-1.656	-1.658	34.461	27.739	32.503	37.159	1.41	34.2
110	-1.622	-1.624	34.465	27.741	32.504	37.159	0.82	34.0
120	-1.614	-1.617	34.468	27.743	32.506	37.161	0.83	33.7
130	-1.648	-1.651	34.472	27.748	32.511	37.167	1.17	33.3
140	-1.668	-1.671	34.472	27.748	32.512	37.169	0.46	33.1
150	-1.674	-1.677	34.475	27.751	32.515	37.172	0.91	32.8
160	-1.557	-1.561	34.476	27.748	32.509	37.162	-1.01	33.1
170	-1.373	-1.377	34.487	27.751	32.506	37.154	0.81	32.8
180	-1.197	-1.202	34.498	27.754	32.503	37.146	0.77	32.6
190	-1.085	-1.090	34.511	27.761	32.506	37.145	1.35	32.0
200	-0.966	-0.972	34.518	27.762	32.504	37.139	0.36	32.0
210	-0.885	-0.891	34.534	27.771	32.511	37.143	1.70	31.1
220	-0.846	-0.853	34.539	27.774	32.512	37.143	0.83	30.8
230	-0.650	-0.657	34.550	27.775	32.507	37.132	-0.47	30.9
240	-0.518	-0.526	34.564	27.780	32.508	37.129	1.19	30.4
250	-0.363	-0.372	34.574	27.781	32.504	37.121	-0.29	30.4
260	-0.288	-0.297	34.584	27.785	32.506	37.121	1.10	30.0
270	-0.156	-0.166	34.597	27.789	32.506	37.117	0.95	29.8
280	-0.022	-0.032	34.608	27.792	32.504	37.111	0.53	29.7
290	0.017	0.006	34.617	27.797	32.508	37.114	1.24	29.2
300	0.136	0.124	34.625	27.797	32.505	37.107	-0.55	29.3
325	0.240	0.227	34.638	27.802	32.506	37.105	0.69	28.9
350	0.349	0.335	34.649	27.804	32.506	37.102	0.46	28.8
375	0.389	0.373	34.654	27.806	32.506	37.101	0.41	28.7
400	0.449	0.432	34.660	27.808	32.506	37.099	0.30	28.6
425	0.468	0.450	34.663	27.809	32.507	37.099	0.38	28.5
450	0.520	0.500	34.671	27.812	32.509	37.100	0.59	28.3
475	0.558	0.537	34.675	27.813	32.509	37.098	0.25	28.3
500	0.572	0.550	34.677	27.814	32.509	37.098	0.29	28.3
550	0.615	0.590	34.682	27.816	32.510	37.098	0.24	28.3
600	0.615	0.588	34.685	27.818	32.512	37.100	0.40	28.1
650	0.592	0.562	34.685	27.820	32.514	37.103	0.35	28.0
700	0.560	0.528	34.686	27.823	32.518	37.108	0.47	27.7
750	0.535	0.500	34.686	27.825	32.521	37.111	0.37	27.6
800	0.512	0.475	34.686	27.826	32.523	37.114	0.36	27.4
850	0.469	0.429	34.683	27.826	32.525	37.117	0.29	27.4
900	0.446	0.404	34.683	27.828	32.527	37.120	0.37	27.2
950	0.414	0.369	34.681	27.828	32.528	37.123	0.29	27.1
1000	0.385	0.338	34.679	27.828	32.530	37.125	0.27	27.1
1100	0.324	0.271	34.679	27.832	32.535	37.132	0.43	26.6
1200	0.276	0.218	34.677	27.834	32.538	37.137	0.32	26.4
1300	0.231	0.168	34.674	27.834	32.540	37.140	0.27	26.3
1400	0.191	0.122	34.673	27.836	32.543	37.145	0.33	26.0
1500	0.145	0.070	34.672	27.838	32.547	37.150	0.36	25.6
1600	0.109	0.028	34.672	27.840	32.550	37.155	0.36	25.3
1700	0.072	-0.014	34.670	27.841	32.552	37.158	0.29	25.1
1800	0.040	-0.053	34.669	27.842	32.555	37.161	0.31	24.8
1900	0.011	-0.088	34.668	27.843	32.557	37.164	0.30	24.6
2000	-0.019	-0.124	34.668	27.845	32.560	37.168	0.35	24.2
2100	-0.045	-0.157	34.668	27.846	32.562	37.172	0.34	23.9
2200	-0.069	-0.188	34.666	27.846	32.563	37.174	0.24	23.7
2300	-0.092	-0.218	34.666	27.848	32.566	37.177	0.33	23.4
2400	-0.116	-0.249	34.665	27.849	32.567	37.180	0.30	23.2
2500	-0.152	-0.292	34.662	27.848	32.568	37.182	0.30	22.9
2600	-0.224	-0.370	34.655	27.846	32.569	37.185	0.36	22.5
2665	-0.412	-0.559	34.639	27.842	32.570	37.192	0.72	21.5

PRES	TEMPER	POTEMP	SLINTY	OXYG
7	-1.854	-1.854	34.144	7.404
620	0.619	0.590	34.684	4.827
2813			34.602	6.362

# CAMP 14



### potential temperature



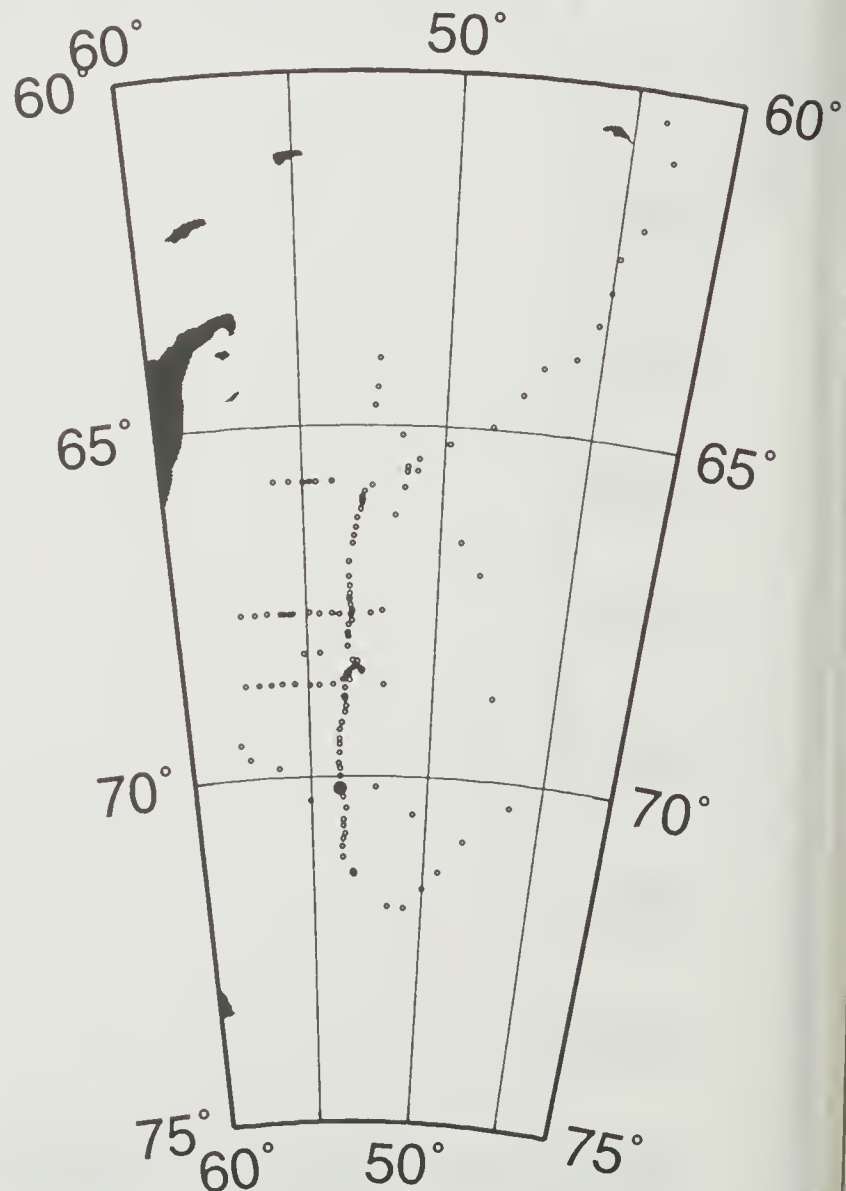
ISW-I -70.1717 -53.7510 92/03/20 80 10:05 CAMP STA# 15

bottom depth = 2819

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.862	-1.862	34.098	27.449	32.223	36.889	0.00	62.2
10	-1.860	-1.860	34.100	27.451	32.224	36.890	0.70	62.0
20	-1.856	-1.856	34.115	27.463	32.236	36.902	1.95	60.8
30	-1.724	-1.725	34.395	27.687	32.454	37.113	8.37	39.5
40	-1.708	-1.709	34.435	27.719	32.485	37.143	3.17	36.4
50	-1.704	-1.705	34.440	27.723	32.489	37.147	1.11	36.0
60	-1.715	-1.716	34.444	27.727	32.492	37.151	1.06	35.6
70	-1.734	-1.735	34.451	27.733	32.499	37.158	1.40	34.9
80	-1.739	-1.741	34.452	27.734	32.500	37.159	0.55	34.8
90	-1.738	-1.740	34.455	27.736	32.503	37.162	0.87	34.5
100	-1.737	-1.739	34.459	27.740	32.506	37.165	1.00	34.1
110	-1.740	-1.742	34.462	27.742	32.508	37.168	0.89	33.9
120	-1.730	-1.733	34.465	27.744	32.510	37.169	0.82	33.6
130	-1.728	-1.731	34.467	27.746	32.512	37.171	0.70	33.4
140	-1.705	-1.708	34.468	27.746	32.511	37.169	0.15	33.3
150	-1.688	-1.691	34.474	27.750	32.515	37.172	1.16	32.9
160	-1.739	-1.742	34.476	27.753	32.520	37.179	1.02	32.5
170	-1.753	-1.757	34.479	27.756	32.523	37.182	0.95	32.2
180	-1.773	-1.777	34.479	27.757	32.524	37.184	0.46	32.0
190	-1.776	-1.780	34.481	27.759	32.526	37.186	0.74	31.8
200	-1.760	-1.764	34.482	27.759	32.526	37.185	0.30	31.7
210	-1.754	-1.759	34.484	27.760	32.527	37.187	0.67	31.6
220	-1.694	-1.699	34.486	27.760	32.525	37.183	-0.38	31.5
230	-1.537	-1.542	34.493	27.761	32.521	37.174	-0.18	31.5
240	-1.233	-1.239	34.505	27.761	32.511	37.155	-0.89	31.7
250	-1.139	-1.146	34.515	27.766	32.513	37.154	1.12	31.3
260	-0.989	-0.997	34.525	27.768	32.511	37.147	0.63	31.1
270	-0.749	-0.757	34.545	27.775	32.510	37.138	1.19	30.7
280	-0.520	-0.529	34.561	27.778	32.506	37.127	0.56	30.5
290	-0.309	-0.319	34.579	27.783	32.504	37.119	0.94	30.3
300	-0.126	-0.137	34.598	27.789	32.505	37.114	1.20	29.8
325	0.062	0.049	34.618	27.795	32.505	37.110	0.76	29.4
350	0.157	0.143	34.629	27.799	32.506	37.108	0.59	29.1
375	0.292	0.277	34.642	27.802	32.505	37.103	0.44	29.0
400	0.400	0.383	34.654	27.806	32.506	37.100	0.54	28.8
425	0.456	0.438	34.659	27.807	32.505	37.097	0.14	28.8
450	0.504	0.484	34.667	27.810	32.507	37.098	0.62	28.5
475	0.540	0.519	34.672	27.812	32.508	37.098	0.43	28.4
500	0.575	0.553	34.677	27.814	32.509	37.098	0.43	28.3
550	0.605	0.580	34.681	27.816	32.510	37.098	0.26	28.3
600	0.622	0.595	34.684	27.817	32.511	37.099	0.28	28.2
650	0.604	0.574	34.686	27.820	32.514	37.103	0.45	28.0
700	0.586	0.554	34.688	27.823	32.518	37.107	0.45	27.8
750	0.551	0.516	34.687	27.824	32.520	37.110	0.37	27.6
800	0.499	0.462	34.685	27.826	32.523	37.115	0.42	27.4
850	0.467	0.427	34.683	27.826	32.525	37.118	0.28	27.3
900	0.430	0.388	34.682	27.828	32.528	37.121	0.40	27.2
950	0.403	0.358	34.681	27.829	32.529	37.124	0.33	27.1
1000	0.379	0.332	34.681	27.830	32.532	37.127	0.38	26.9
1100	0.330	0.277	34.678	27.831	32.534	37.131	0.27	26.8
1200	0.278	0.220	34.679	27.835	32.540	37.138	0.43	26.3
1300	0.226	0.163	34.676	27.836	32.542	37.143	0.30	26.1
1400	0.183	0.114	34.673	27.836	32.544	37.146	0.26	25.9
1500	0.144	0.069	34.673	27.839	32.548	37.151	0.37	25.6
1600	0.105	0.025	34.672	27.840	32.551	37.155	0.34	25.3
1700	0.072	-0.015	34.671	27.841	32.553	37.159	0.31	25.0
1800	0.043	-0.050	34.668	27.841	32.554	37.160	0.20	24.9
1900	0.009	-0.090	34.669	27.844	32.558	37.165	0.40	24.5
2000	-0.020	-0.125	34.668	27.845	32.560	37.168	0.31	24.2
2100	-0.043	-0.155	34.668	27.846	32.562	37.172	0.32	23.9
2200	-0.067	-0.186	34.665	27.845	32.562	37.173	0.19	23.8
2300	-0.086	-0.212	34.666	27.848	32.565	37.176	0.34	23.5
2400	-0.109	-0.242	34.664	27.847	32.566	37.178	0.25	23.3
2500	-0.133	-0.273	34.663	27.848	32.568	37.181	0.30	23.1
2600	-0.185	-0.332	34.660	27.849	32.570	37.185	0.39	22.6
2700	-0.371	-0.522	34.643	27.844	32.571	37.192	0.57	21.6
2800	-0.727	-0.878	34.616	27.837	32.575	37.207	0.85	19.4
2845	-1.261	-1.404	34.603	27.846	32.601	37.248	1.93	14.3

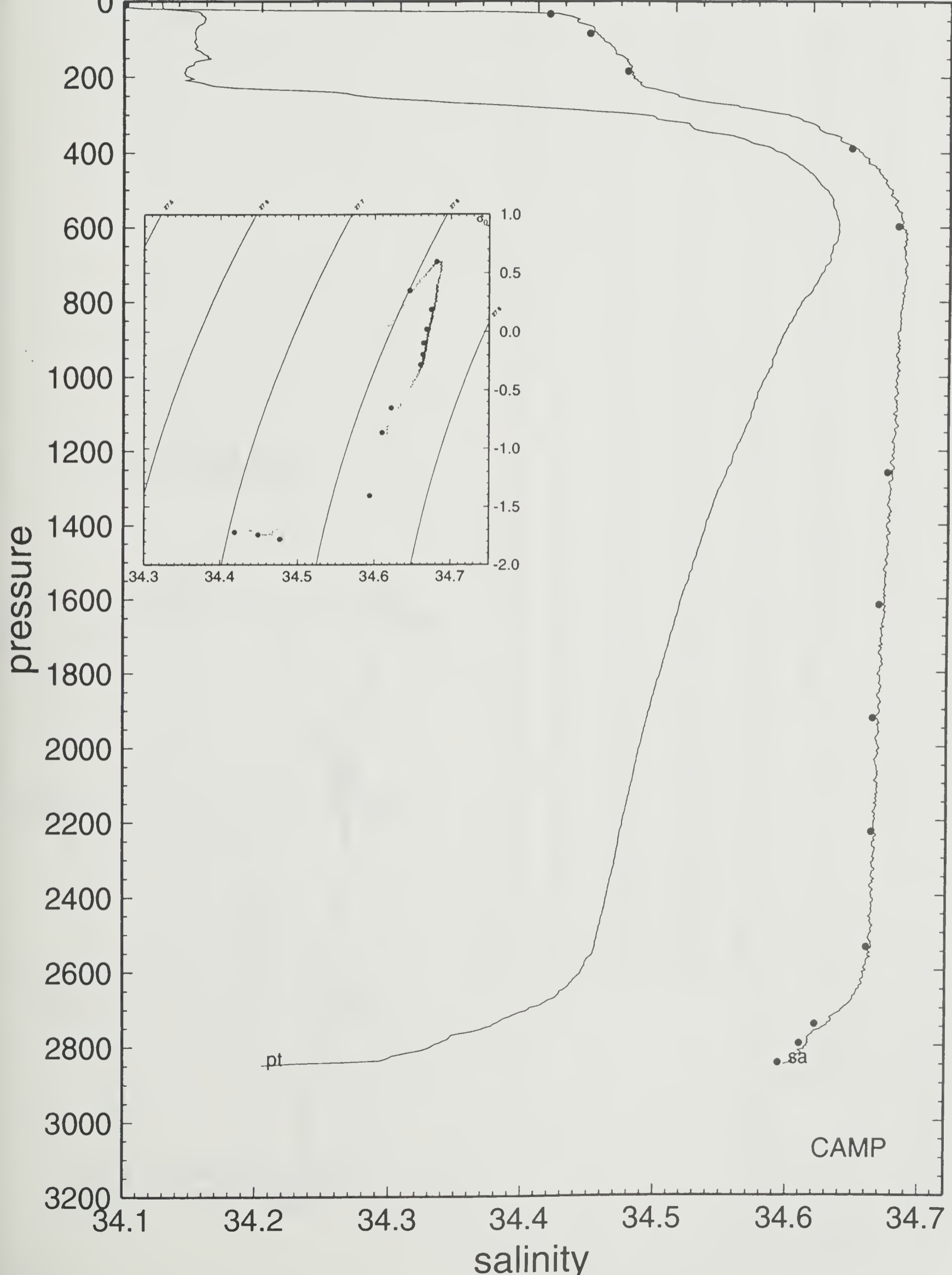
PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.861	-1.861	34.101	7.608
34	-1.718	-1.719	34.419	6.948
85	-1.740	-1.742	34.449	
186	-1.776	-1.780	34.477	6.491
389	0.365	0.349	34.646	5.171
597	0.623	0.596	34.681	5.017
902	0.428	0.386		5.021
1259	0.249	0.188	34.674	5.168
1616	0.101	0.020	34.668	5.065
1923	0.002	-0.098	34.664	5.300
2229	-0.075	-0.196	34.663	5.420
2537	-0.141	-0.284	34.660	5.412
2742	-0.501	-0.652	34.622	6.102
2793	-0.713	-0.864	34.610	6.256
2845	-1.261	-1.404	34.594	6.924

# CAMP 15



potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-I -69.9947 -53.7533 92/03/22 82 21:30 CAMP STA# 16

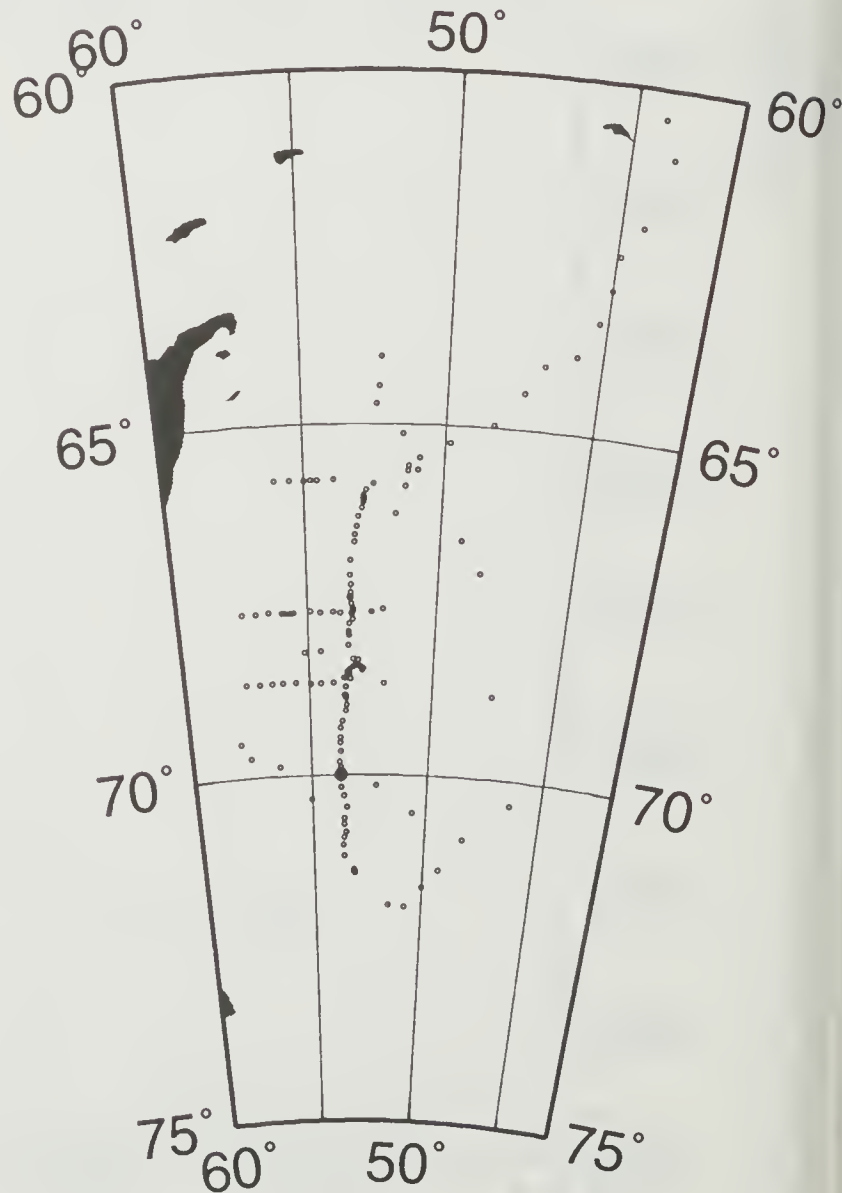
bottom depth = 2880

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.862	-1.862	34.107	27.457	32.230	36.896	0.00	61.5
10	-1.863	-1.863	34.105	27.455	32.228	36.894	-0.71	61.6
20	-1.862	-1.862	34.105	27.455	32.228	36.894	-0.08	61.5
30	-1.849	-1.850	34.132	27.477	32.249	36.915	2.60	59.4
40	-1.710	-1.711	34.386	27.679	32.446	37.104	7.96	40.2
50	-1.711	-1.712	34.421	27.708	32.474	37.132	2.99	37.4
60	-1.707	-1.708	34.436	27.720	32.486	37.144	1.94	36.2
70	-1.704	-1.705	34.443	27.726	32.491	37.149	1.32	35.6
80	-1.684	-1.686	34.448	27.729	32.494	37.151	1.04	35.3
90	-1.685	-1.687	34.455	27.735	32.500	37.157	1.34	34.7
100	-1.693	-1.695	34.458	27.737	32.502	37.160	0.92	34.4
110	-1.710	-1.712	34.462	27.741	32.507	37.165	1.09	33.9
120	-1.708	-1.711	34.464	27.743	32.508	37.166	0.70	33.7
130	-1.697	-1.700	34.465	27.743	32.508	37.166	0.38	33.6
140	-1.670	-1.673	34.469	27.746	32.510	37.167	0.86	33.4
150	-1.633	-1.636	34.474	27.749	32.512	37.167	0.94	33.0
160	-1.592	-1.596	34.478	27.751	32.512	37.167	0.76	32.8
170	-1.489	-1.493	34.484	27.753	32.511	37.162	0.60	32.7
180	-1.480	-1.484	34.490	27.757	32.515	37.166	1.19	32.2
190	-1.425	-1.430	34.493	27.758	32.514	37.163	0.33	32.1
200	-1.358	-1.363	34.496	27.758	32.512	37.159	-0.24	32.1
210	-1.407	-1.412	34.503	27.765	32.521	37.170	1.54	31.3
220	-1.287	-1.293	34.507	27.765	32.516	37.161	-0.71	31.4
230	-1.113	-1.119	34.516	27.766	32.512	37.152	-0.21	31.4
240	-0.986	-0.993	34.525	27.768	32.511	37.146	0.70	31.2
250	-0.828	-0.836	34.535	27.770	32.508	37.138	0.43	31.1
260	-0.517	-0.526	34.552	27.770	32.498	37.120	-0.81	31.3
270	-0.495	-0.504	34.568	27.782	32.509	37.130	1.92	30.2
280	-0.405	-0.415	34.576	27.785	32.509	37.127	0.70	30.0
290	-0.261	-0.271	34.587	27.787	32.507	37.120	0.48	29.9
300	-0.095	-0.106	34.598	27.787	32.502	37.111	-0.53	30.0
325	0.128	0.115	34.625	27.797	32.505	37.108	1.00	29.2
350	0.258	0.244	34.640	27.802	32.507	37.105	0.68	28.9
375	0.286	0.271	34.647	27.806	32.510	37.107	0.69	28.5
400	0.288	0.272	34.647	27.806	32.510	37.107	-0.09	28.6
425	0.408	0.390	34.657	27.808	32.507	37.101	-0.16	28.6
450	0.436	0.417	34.660	27.809	32.507	37.101	0.25	28.6
475	0.501	0.480	34.666	27.810	32.507	37.098	0.16	28.6
500	0.557	0.535	34.674	27.813	32.508	37.098	0.54	28.4
550	0.625	0.600	34.684	27.817	32.510	37.098	0.44	28.2
600	0.634	0.606	34.686	27.818	32.511	37.099	0.26	28.2
650	0.620	0.590	34.687	27.820	32.514	37.102	0.36	28.0
700	0.594	0.561	34.687	27.822	32.516	37.105	0.38	27.9
750	0.569	0.534	34.689	27.825	32.520	37.110	0.49	27.6
800	0.543	0.505	34.688	27.826	32.522	37.112	0.31	27.5
850	0.507	0.467	34.688	27.828	32.525	37.117	0.45	27.3
900	0.472	0.429	34.687	27.830	32.528	37.120	0.39	27.1
950	0.442	0.397	34.687	27.831	32.531	37.124	0.42	26.9
1000	0.414	0.366	34.686	27.832	32.533	37.127	0.34	26.8
1100	0.350	0.297	34.682	27.833	32.535	37.132	0.30	26.6
1200	0.294	0.236	34.681	27.836	32.540	37.138	0.38	26.3
1300	0.246	0.182	34.680	27.838	32.544	37.143	0.36	25.9
1400	0.204	0.135	34.677	27.838	32.545	37.146	0.26	25.8
1500	0.166	0.091	34.676	27.840	32.548	37.151	0.33	25.5
1600	0.116	0.035	34.675	27.842	32.552	37.156	0.38	25.1
1700	0.079	-0.008	34.674	27.843	32.555	37.160	0.33	24.8
1800	0.053	-0.040	34.672	27.844	32.556	37.162	0.24	24.7
1900	0.018	-0.081	34.672	27.846	32.559	37.167	0.37	24.3
2000	-0.009	-0.115	34.671	27.847	32.561	37.170	0.30	24.1
2100	-0.034	-0.146	34.671	27.848	32.564	37.173	0.33	23.8
2200	-0.056	-0.175	34.668	27.847	32.564	37.174	0.17	23.7
2300	-0.076	-0.202	34.669	27.849	32.567	37.178	0.35	23.4
2400	-0.089	-0.222	34.669	27.850	32.568	37.180	0.27	23.2
2500	-0.118	-0.258	34.668	27.851	32.570	37.183	0.33	22.9
2600	-0.152	-0.299	34.662	27.849	32.569	37.183	0.11	22.8
2700	-0.235	-0.389	34.660	27.851	32.574	37.191	0.55	21.9
2800	-0.609	-0.762	34.628	27.842	32.577	37.205	0.83	19.8
2900	-1.021	-1.173	34.612	27.846	32.593	37.233	1.09	16.1
2925	-1.309	-1.457	34.606	27.850	32.607	37.256	1.93	13.3

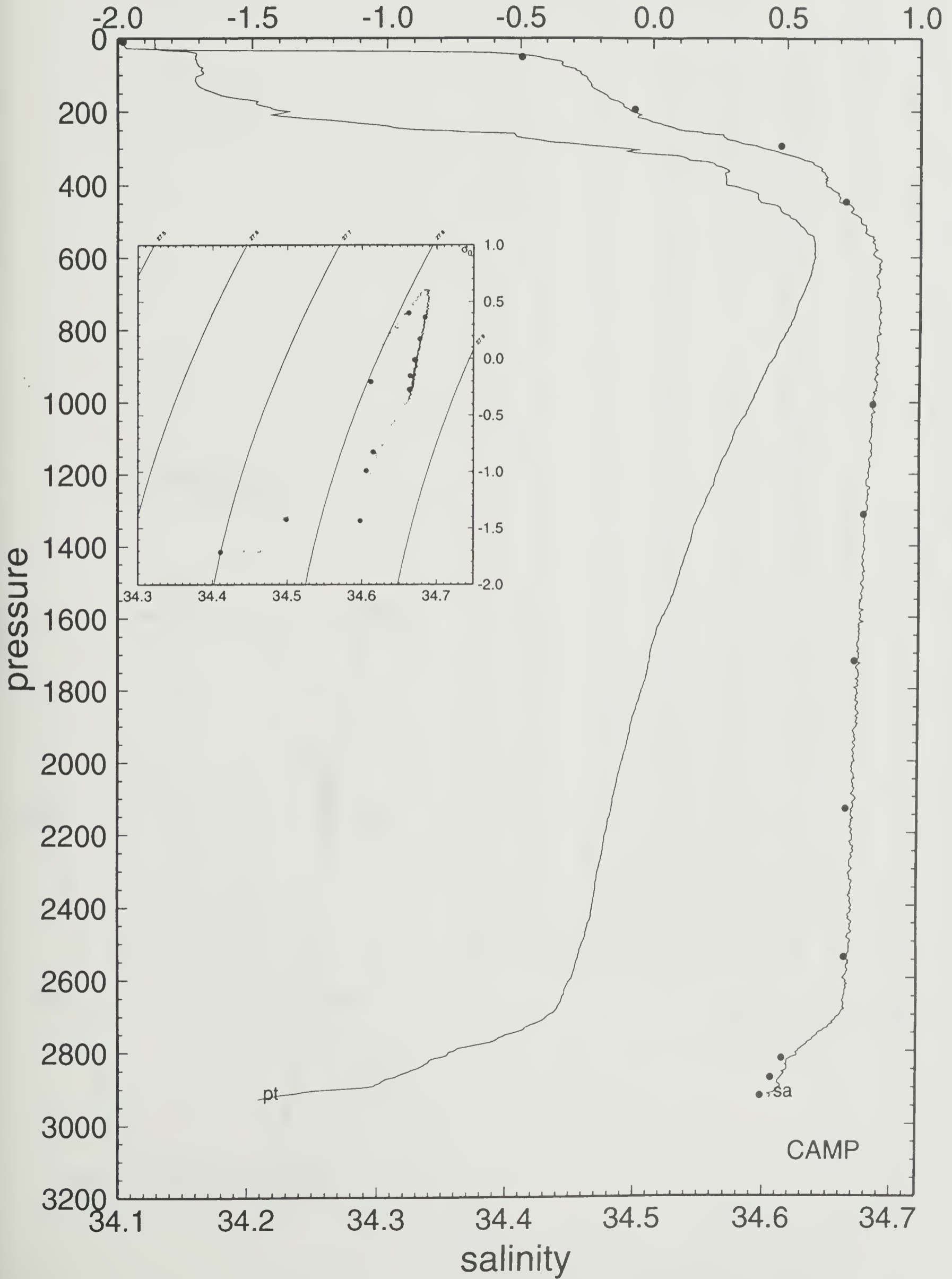
PRES	TEMPER	POTEMP	SLINTY	OXYG
10	-1.863	-1.863	34.104	7.165
51	-1.710	-1.711	34.411	6.902
193	-1.416	-1.421	34.499	6.265
294	-0.194	-0.205	34.612	5.304
447	0.420	0.401	34.662	4.972
600	0.633	0.605		4.839
803	0.541	0.503		4.863
1007	0.411	0.363	34.684	4.887
1313	0.238	0.174	34.677	4.985
1722	0.077	-0.011	34.670	4.576
2132	-0.039	-0.153	34.664	5.272
2542	-0.130	-0.273	34.663	5.380
2819	-0.674	-0.827	34.615	5.986
2871	-0.837	-0.991	34.606	6.200
2922	-1.286	-1.434	34.598	6.715

# CAMP 16





### potential temperature



ISW-I -69.8843 -53.7237 92/03/24 84 16:55 CAMP STA# 17

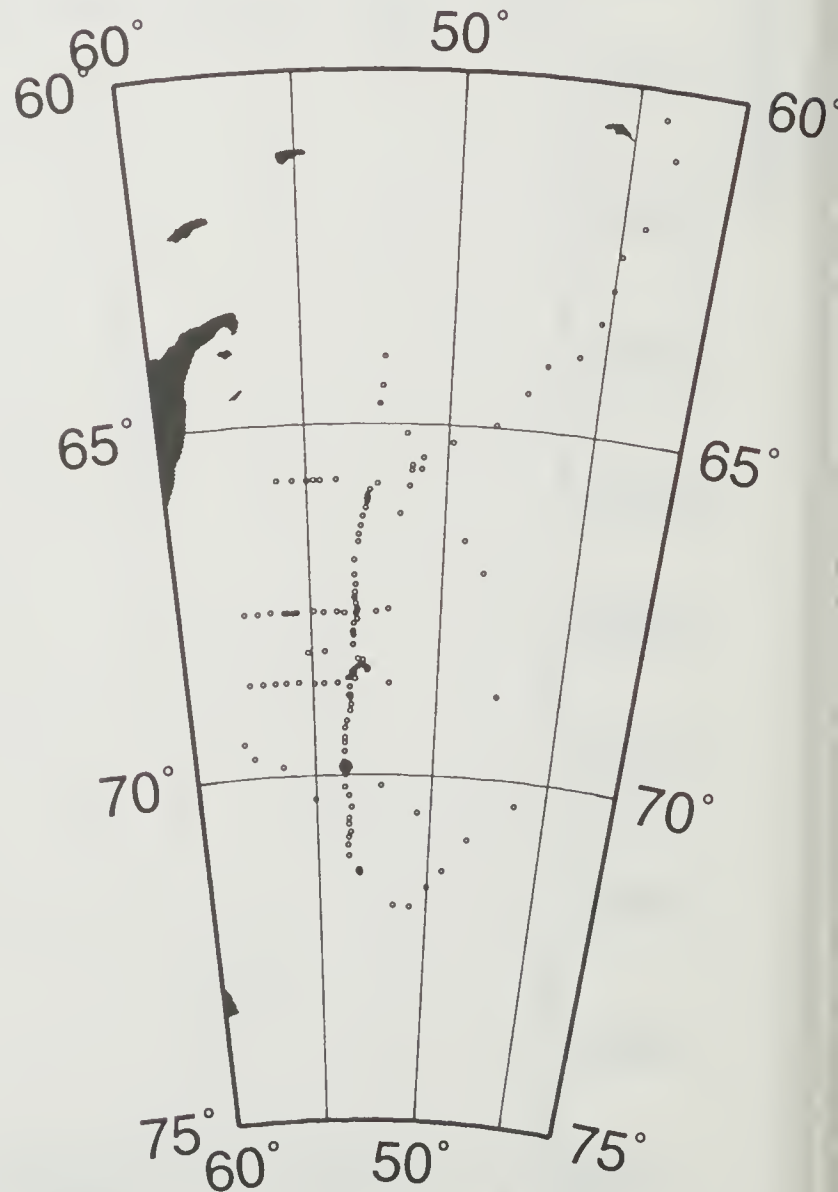
bottom depth = 2849

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.857	-1.857	34.136	27.480	32.253	36.918	0.00	59.3
10	-1.862	-1.862	34.140	27.483	32.256	36.922	1.03	58.9
20	-1.866	-1.866	34.150	27.492	32.265	36.930	1.61	58.1
30	-1.860	-1.861	34.162	27.501	32.274	36.939	1.73	57.1
40	-1.731	-1.732	34.406	27.596	32.463	37.122	7.81	38.6
50	-1.727	-1.728	34.427	27.713	32.479	37.138	2.30	36.9
60	-1.720	-1.721	34.439	27.723	32.489	37.147	1.73	36.0
70	-1.717	-1.718	34.447	27.729	32.495	37.153	1.42	35.3
80	-1.717	-1.719	34.448	27.730	32.496	37.154	0.51	35.2
90	-1.714	-1.716	34.453	27.734	32.500	37.158	1.12	34.7
100	-1.714	-1.716	34.455	27.736	32.501	37.160	0.71	34.5
110	-1.732	-1.734	34.458	27.739	32.505	37.164	0.97	34.2
120	-1.729	-1.732	34.458	27.739	32.505	37.163	-0.17	34.1
130	-1.694	-1.697	34.459	27.738	32.503	37.161	-0.31	34.1
140	-1.678	-1.681	34.461	27.740	32.504	37.161	0.59	33.9
150	-1.569	-1.572	34.466	27.740	32.501	37.155	0.33	33.9
160	-1.496	-1.500	34.474	27.745	32.503	37.155	1.10	33.4
170	-1.493	-1.497	34.480	27.749	32.508	37.159	1.22	32.9
180	-1.541	-1.545	34.481	27.752	32.512	37.165	0.90	32.7
190	-1.510	-1.514	34.481	27.751	32.510	37.162	-0.60	32.7
200	-1.611	-1.616	34.486	27.758	32.520	37.175	1.56	31.9
210	-1.701	-1.706	34.482	27.757	32.522	37.180	-0.09	31.9
220	-1.715	-1.720	34.482	27.758	32.523	37.181	0.40	31.8
230	-1.648	-1.653	34.482	27.756	32.519	37.175	-0.87	31.9
240	-1.502	-1.508	34.485	27.754	32.513	37.164	-0.98	32.2
250	-1.479	-1.485	34.493	27.760	32.518	37.169	1.32	31.6
260	-1.154	-1.161	34.499	27.753	32.501	37.142	-1.66	32.4
270	-0.697	-0.705	34.526	27.757	32.491	37.118	0.10	32.4
280	-0.538	-0.547	34.552	27.771	32.500	37.122	1.99	31.1
290	-0.378	-0.388	34.566	27.775	32.499	37.116	0.89	30.9
300	-0.216	-0.227	34.580	27.779	32.498	37.110	0.80	30.7
325	-0.005	-0.017	34.605	27.788	32.501	37.107	0.97	30.0
350	0.185	0.171	34.625	27.794	32.501	37.101	0.71	29.6
375	0.252	0.237	34.634	27.798	32.502	37.101	0.60	29.3
400	0.369	0.352	34.644	27.799	32.500	37.096	0.13	29.3
425	0.431	0.413	34.649	27.800	32.499	37.092	-0.18	29.4
450	0.449	0.430	34.654	27.803	32.502	37.094	0.59	29.1
475	0.520	0.499	34.663	27.806	32.503	37.093	0.52	28.9
500	0.496	0.474	34.663	27.808	32.505	37.096	0.48	28.8
550	0.520	0.496	34.667	27.810	32.506	37.097	0.32	28.7
600	0.536	0.509	34.669	27.810	32.506	37.097	0.19	28.7
650	0.549	0.519	34.676	27.815	32.511	37.101	0.55	28.3
700	0.542	0.510	34.679	27.818	32.514	37.105	0.44	28.1
750	0.526	0.491	34.680	27.820	32.517	37.108	0.38	27.9
800	0.502	0.465	34.679	27.821	32.518	37.110	0.29	27.9
850	0.480	0.440	34.679	27.822	32.521	37.113	0.36	27.7
900	0.453	0.411	34.680	27.825	32.524	37.117	0.45	27.5
950	0.420	0.375	34.679	27.826	32.526	37.120	0.37	27.3
1000	0.388	0.341	34.677	27.827	32.528	37.123	0.29	27.3
1100	0.340	0.287	34.677	27.830	32.532	37.129	0.38	26.9
1200	0.298	0.240	34.677	27.832	32.536	37.135	0.37	26.6
1300	0.252	0.188	34.676	27.834	32.540	37.140	0.35	26.3
1400	0.209	0.140	34.674	27.836	32.543	37.144	0.31	26.1
1500	0.159	0.084	34.671	27.836	32.545	37.147	0.31	25.8
1600	0.115	0.034	34.671	27.839	32.549	37.153	0.39	25.4
1700	0.076	-0.011	34.669	27.840	32.551	37.157	0.30	25.2
1800	0.049	-0.044	34.667	27.840	32.552	37.159	0.24	25.0
1900	0.012	-0.087	34.669	27.844	32.557	37.165	0.44	24.5
2000	-0.014	-0.119	34.666	27.843	32.558	37.166	0.19	24.4
2100	-0.038	-0.150	34.665	27.844	32.559	37.169	0.29	24.2
2200	-0.056	-0.175	34.663	27.843	32.560	37.170	0.20	24.1
2300	-0.076	-0.202	34.665	27.846	32.563	37.175	0.38	23.7
2400	-0.102	-0.235	34.664	27.847	32.565	37.177	0.31	23.4
2500	-0.124	-0.264	34.663	27.848	32.567	37.180	0.29	23.2
2600	-0.164	-0.311	34.660	27.848	32.568	37.182	0.33	22.8
2700	-0.296	-0.448	34.649	27.845	32.570	37.188	0.52	22.0
2800	-0.641	-0.794	34.619	27.836	32.572	37.201	0.79	20.1
2855	-0.895	-1.046	34.609	27.838	32.582	37.218	1.15	17.9

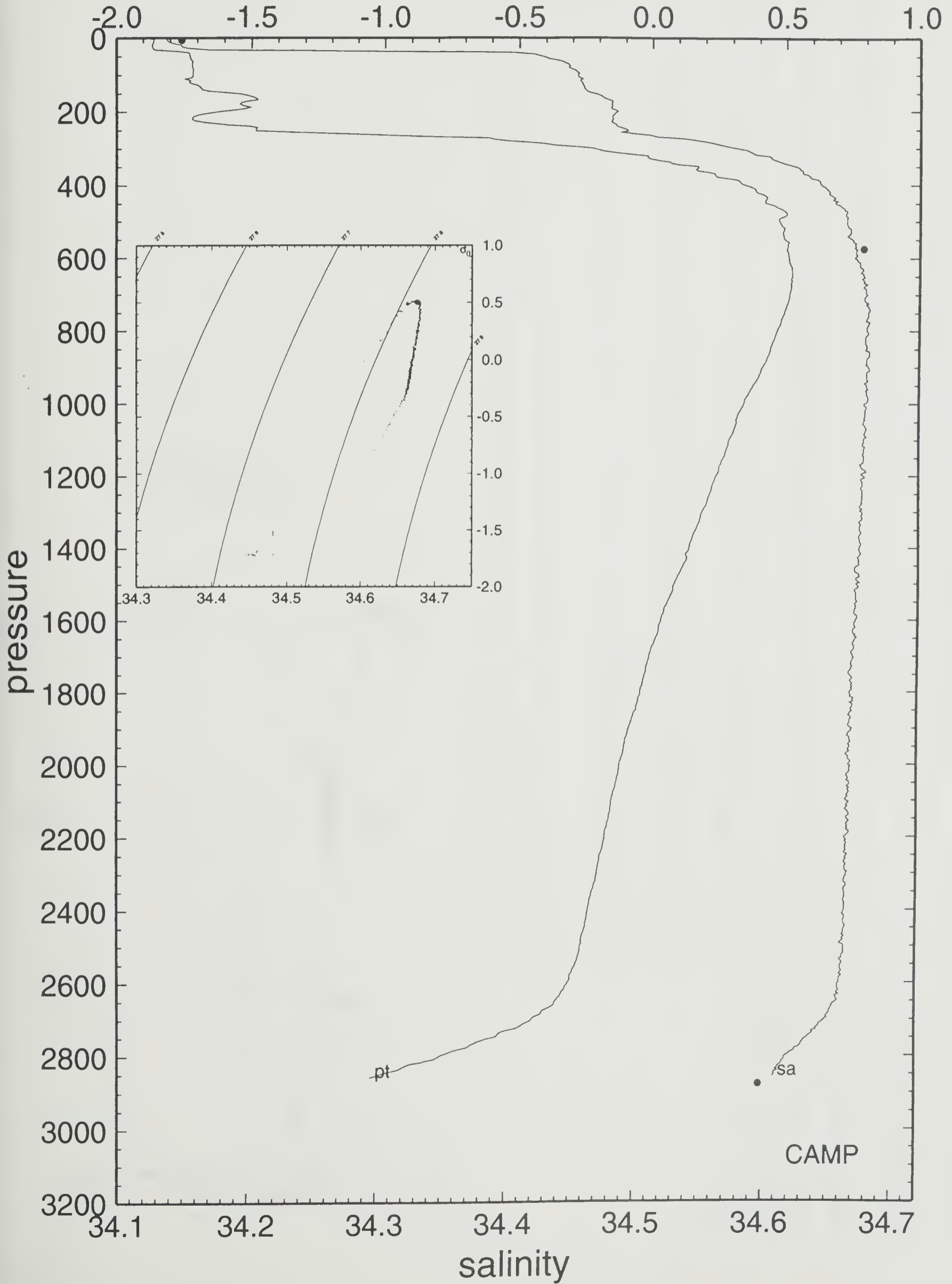
  

PRES	TEMPER	POTEMP	SLINTY	OXYG
6	-1.862	-1.862	34.150	7.560
575	0.525	0.499	34.676	5.013
2877			34.598	6.736

# CAMP 17



potential temperature

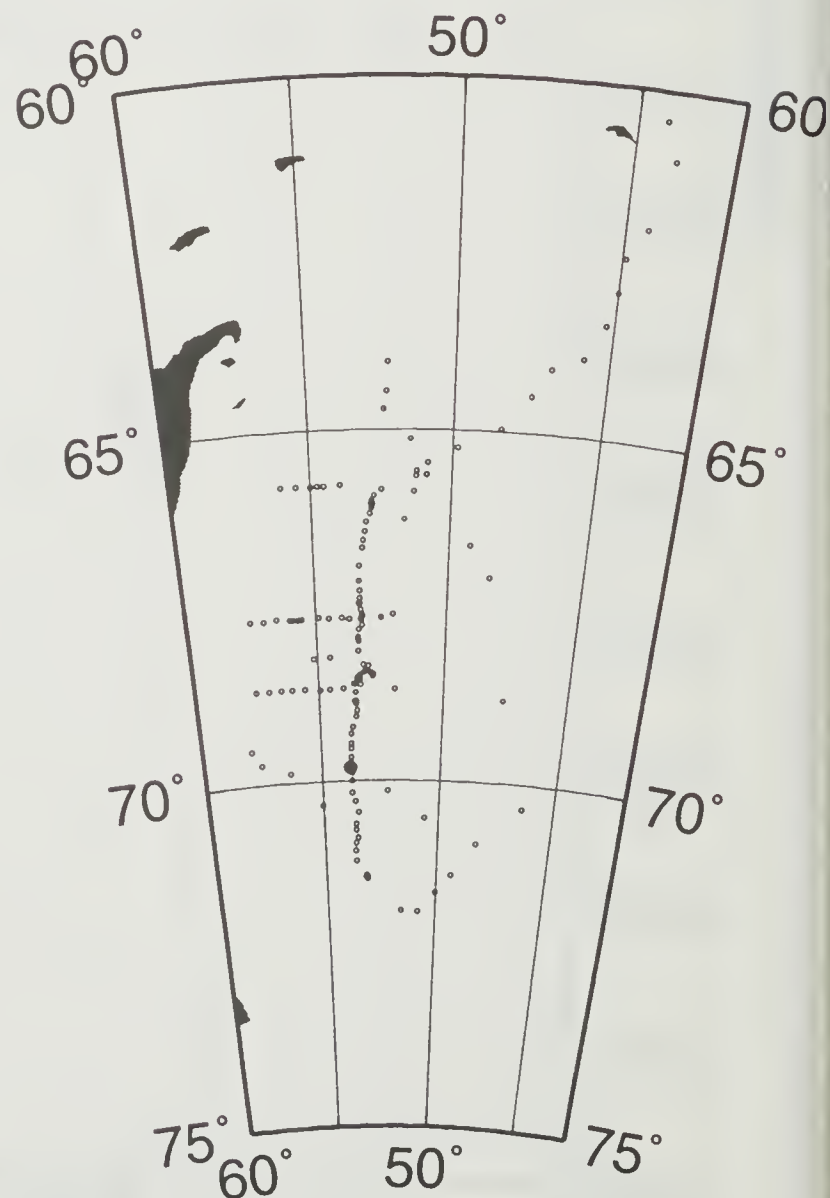


ISW-I -69.8037 -53.8063 92/03/25 85 22:35 CAMP STA# 18  
 bottom depth = 2791

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.853	-1.853	34.184	27.519	32.291	36.956	0.00	55.6
10	-1.868	-1.868	34.188	27.523	32.295	36.961	1.07	55.2
20	-1.868	-1.868	34.187	27.522	32.295	36.960	-0.50	55.2
30	-1.868	-1.869	34.205	27.536	32.309	36.974	2.14	53.8
40	-1.850	-1.851	34.287	27.603	32.374	37.038	4.55	47.4
50	-1.769	-1.770	34.414	27.704	32.472	37.132	5.62	37.8
60	-1.745	-1.746	34.441	27.725	32.492	37.151	2.58	35.7
70	-1.750	-1.751	34.448	27.731	32.498	37.157	1.35	35.1
80	-1.749	-1.751	34.450	27.733	32.499	37.159	0.71	34.9
90	-1.757	-1.759	34.451	27.734	32.501	37.160	0.58	34.8
100	-1.729	-1.731	34.456	27.737	32.503	37.162	1.00	34.4
110	-1.747	-1.749	34.461	27.741	32.508	37.167	1.20	33.9
120	-1.732	-1.735	34.463	27.743	32.509	37.168	0.60	33.7
130	-1.736	-1.739	34.465	27.744	32.511	37.170	0.74	33.5
140	-1.648	-1.651	34.467	27.744	32.507	37.163	-0.63	33.6
150	-1.599	-1.602	34.473	27.747	32.509	37.164	1.00	33.2
160	-1.542	-1.546	34.479	27.750	32.510	37.163	0.95	32.9
170	-1.435	-1.439	34.483	27.750	32.507	37.156	-0.46	32.9
180	-1.401	-1.405	34.487	27.752	32.508	37.156	0.78	32.7
190	-1.370	-1.375	34.493	27.756	32.511	37.158	1.07	32.3
200	-1.262	-1.267	34.497	27.756	32.507	37.151	-0.58	32.4
210	-1.122	-1.128	34.510	27.761	32.508	37.148	1.20	31.9
220	-0.921	-0.927	34.522	27.763	32.504	37.137	0.47	31.8
230	-0.754	-0.761	34.535	27.767	32.502	37.131	0.89	31.5
240	-0.644	-0.652	34.553	27.777	32.509	37.134	1.68	30.6
250	-0.460	-0.468	34.563	27.777	32.503	37.123	-0.69	30.8
260	-0.306	-0.315	34.575	27.779	32.500	37.116	0.62	30.6
270	-0.192	-0.202	34.591	27.786	32.504	37.116	1.42	30.0
280	-0.159	-0.169	34.595	27.788	32.505	37.116	0.64	29.9
290	-0.060	-0.071	34.603	27.789	32.503	37.111	0.42	29.8
300	-0.032	-0.043	34.608	27.792	32.505	37.112	0.86	29.6
325	0.159	0.146	34.629	27.799	32.506	37.107	0.79	29.1
350	0.289	0.275	34.640	27.801	32.504	37.101	0.22	29.1
375	0.342	0.326	34.646	27.802	32.504	37.100	0.41	29.0
400	0.398	0.381	34.654	27.806	32.506	37.100	0.57	28.8
425	0.435	0.417	34.655	27.805	32.503	37.097	-0.46	28.9
450	0.461	0.442	34.662	27.809	32.507	37.099	0.69	28.6
475	0.474	0.453	34.664	27.810	32.507	37.100	0.31	28.6
500	0.497	0.475	34.669	27.812	32.509	37.101	0.55	28.4
550	0.515	0.491	34.674	27.815	32.512	37.103	0.42	28.1
600	0.527	0.500	34.675	27.816	32.512	37.103	0.07	28.2
650	0.541	0.511	34.679	27.818	32.514	37.105	0.38	28.0
700	0.530	0.498	34.682	27.821	32.518	37.109	0.47	27.8
750	0.505	0.470	34.683	27.824	32.521	37.113	0.43	27.6
800	0.473	0.436	34.682	27.825	32.523	37.116	0.36	27.4
850	0.440	0.400	34.681	27.826	32.526	37.119	0.37	27.3
900	0.411	0.369	34.681	27.828	32.528	37.123	0.41	27.1
950	0.387	0.342	34.679	27.828	32.529	37.124	0.20	27.1
1000	0.363	0.316	34.677	27.828	32.530	37.126	0.21	27.1
1100	0.314	0.262	34.678	27.832	32.535	37.133	0.42	26.6
1200	0.267	0.209	34.675	27.833	32.537	37.136	0.27	26.5
1300	0.218	0.155	34.676	27.836	32.543	37.143	0.43	26.0
1400	0.176	0.107	34.674	27.837	32.545	37.147	0.30	25.8
1500	0.136	0.061	34.673	27.839	32.548	37.152	0.34	25.5
1600	0.107	0.027	34.672	27.840	32.550	37.155	0.29	25.3
1700	0.071	-0.015	34.671	27.841	32.553	37.159	0.33	25.0
1800	0.039	-0.054	34.669	27.842	32.555	37.161	0.27	24.8
1900	0.006	-0.093	34.669	27.844	32.558	37.166	0.36	24.4
2000	-0.022	-0.127	34.667	27.844	32.559	37.168	0.26	24.3
2100	-0.052	-0.164	34.665	27.844	32.560	37.170	0.28	24.0
2200	-0.081	-0.200	34.664	27.845	32.562	37.173	0.32	23.8
2300	-0.101	-0.227	34.666	27.848	32.566	37.178	0.38	23.3
2400	-0.129	-0.262	34.664	27.848	32.567	37.180	0.28	23.1
2500	-0.165	-0.304	34.662	27.849	32.569	37.183	0.34	22.8
2600	-0.270	-0.415	34.652	27.846	32.570	37.187	0.42	22.2
2700	-0.635	-0.780	34.620	27.837	32.572	37.200	0.79	20.3
2800	-1.196	-1.337	34.605	27.846	32.598	37.243	1.31	15.0
2810	-1.345	-1.483	34.603	27.849	32.606	37.256	2.21	13.5

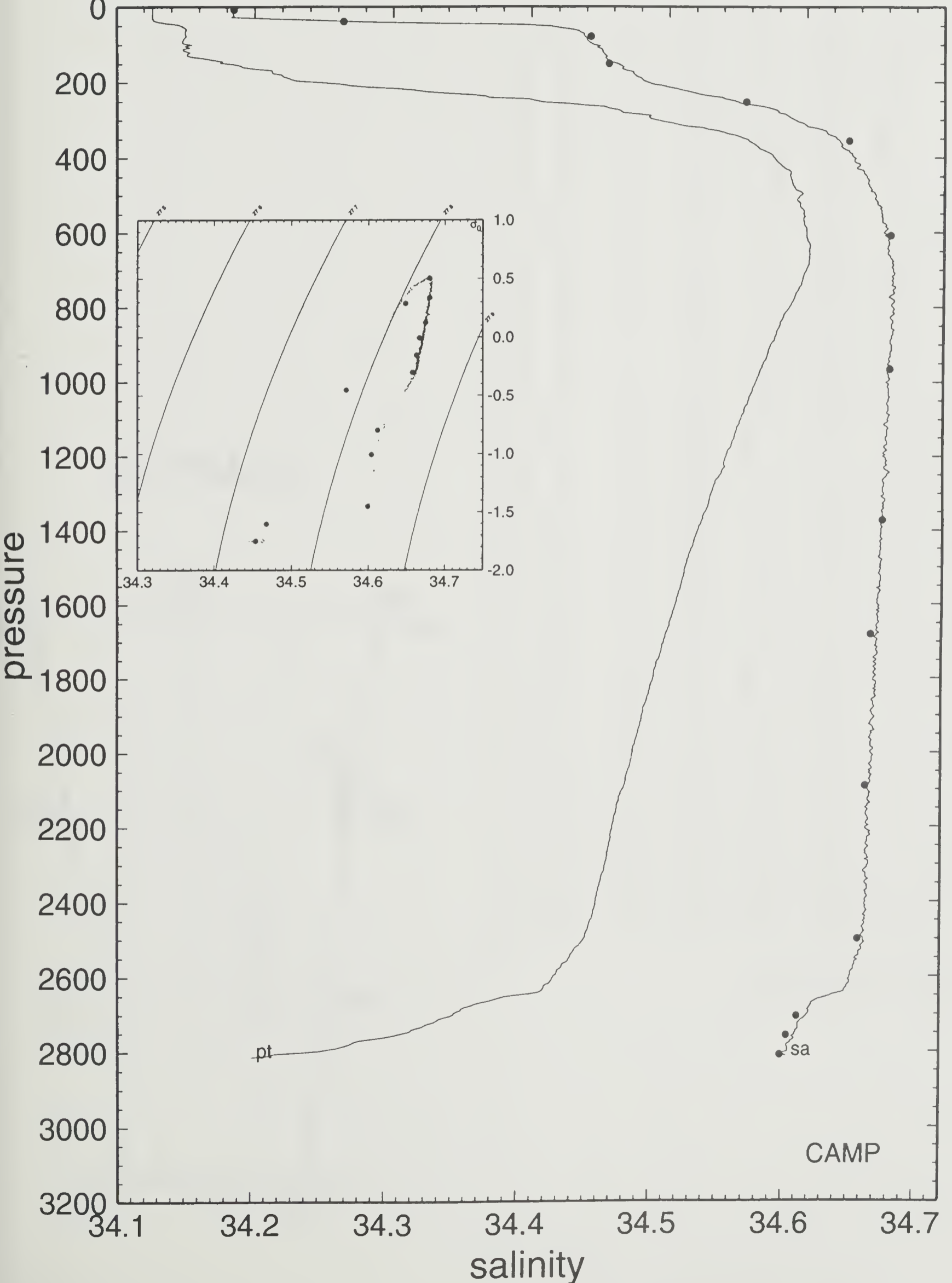
PRES	TEMPER	POTEMP	SLINTY	OXYG
8	-1.869	-1.869	34.188	7.443
39	-1.854	-1.855	34.269	7.093
79	-1.748	-1.750	34.454	6.794
150	-1.599	-1.602	34.468	6.621
252	-0.446	-0.454	34.571	5.827
354	0.301	0.287	34.649	5.161
608	0.528	0.501	34.680	5.005
965	0.380	0.335	34.680	5.049
1373	0.190	0.123	34.675	5.104
1680	0.077	-0.008	34.667	5.252
2089	-0.046	-0.157	34.663	5.355
2500	-0.165	-0.304	34.658	5.521
2705	-0.654	-0.799	34.612	6.160
2757	-0.863	-1.008	34.604	6.434
2808	-1.314	-1.453	34.599	6.928

# CAMP 18



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

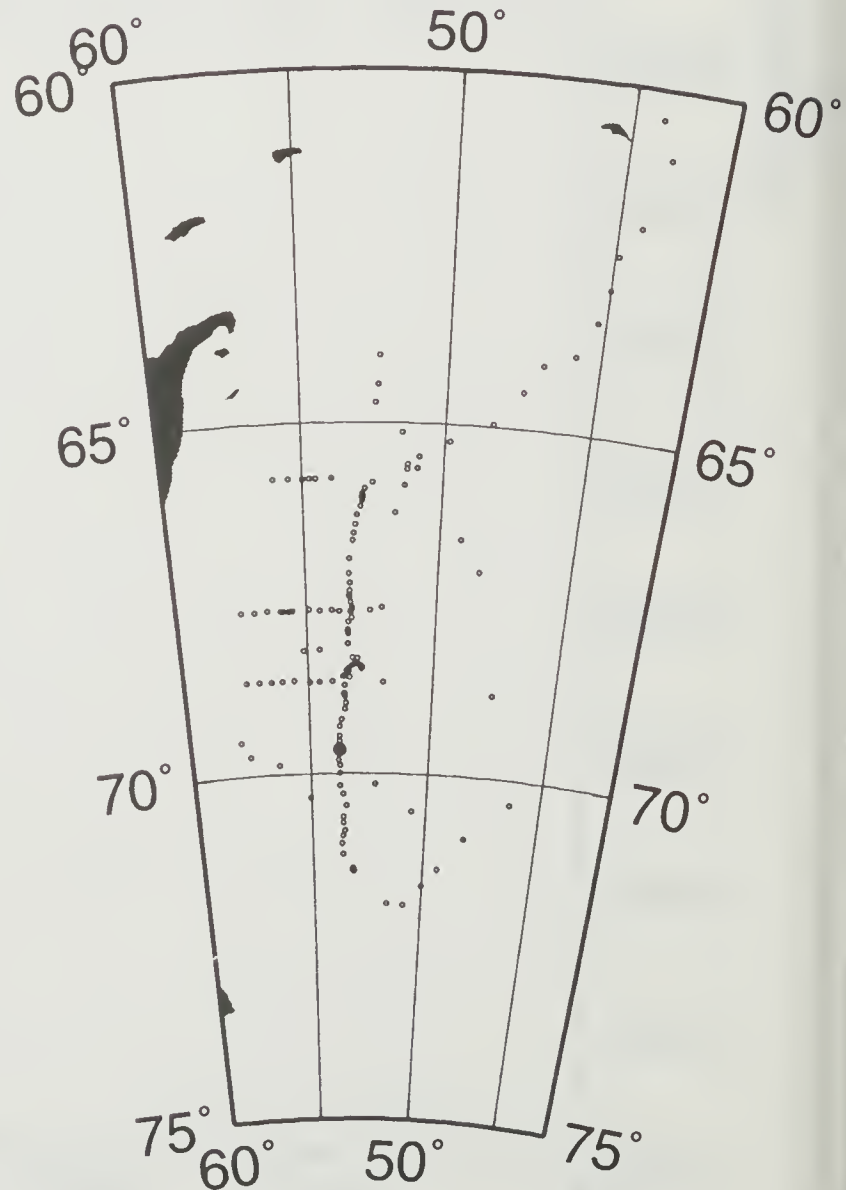


ISW-I -69.6608 -53.7700 92/03/26 86 22:42 CAMP STA# 19  
 bottom depth = 2673

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.874	-1.874	34.244	27.568	32.341	37.006	0.00	50.9
10	-1.874	-1.874	34.237	27.563	32.335	37.000	-1.33	51.4
20	-1.874	-1.874	34.236	27.562	32.334	37.000	-0.50	51.4
30	-1.871	-1.872	34.252	27.575	32.347	37.012	2.01	50.1
40	-1.840	-1.841	34.334	27.641	32.411	37.075	4.54	43.8
50	-1.794	-1.795	34.381	27.678	32.446	37.108	3.40	40.3
60	-1.765	-1.766	34.413	27.703	32.471	37.131	2.81	37.8
70	-1.740	-1.741	34.432	27.718	32.484	37.144	2.14	36.4
80	-1.710	-1.712	34.437	27.721	32.487	37.145	0.99	36.0
90	-1.681	-1.683	34.444	27.726	32.490	37.148	1.22	35.5
100	-1.686	-1.688	34.450	27.731	32.496	37.153	1.26	35.0
110	-1.694	-1.696	34.452	27.733	32.498	37.155	0.77	34.8
120	-1.697	-1.700	34.454	27.734	32.500	37.157	0.74	34.5
130	-1.685	-1.688	34.459	27.738	32.503	37.160	1.07	34.1
140	-1.677	-1.680	34.459	27.738	32.502	37.160	-0.28	34.1
150	-1.661	-1.664	34.464	27.741	32.505	37.162	1.05	33.7
160	-1.642	-1.646	34.465	27.742	32.505	37.161	0.23	33.6
170	-1.635	-1.639	34.468	27.744	32.507	37.163	0.83	33.4
180	-1.567	-1.571	34.471	27.744	32.505	37.159	0.10	33.3
190	-1.440	-1.445	34.478	27.746	32.503	37.153	0.55	33.2
200	-1.326	-1.331	34.481	27.745	32.498	37.144	-0.80	33.3
210	-1.116	-1.122	34.494	27.748	32.495	37.135	0.74	33.1
220	-0.923	-0.929	34.511	27.754	32.495	37.129	1.26	32.6
230	-0.809	-0.816	34.520	27.757	32.494	37.125	0.77	32.4
240	-0.951	-0.958	34.534	27.774	32.515	37.150	2.38	30.7
250	-0.743	-0.751	34.528	27.761	32.496	37.124	-2.16	32.0
260	-0.432	-0.441	34.545	27.761	32.486	37.105	-0.88	32.3
270	-0.208	-0.218	34.573	27.773	32.491	37.103	1.77	31.3
280	-0.151	-0.161	34.583	27.778	32.495	37.105	1.22	30.8
290	-0.069	-0.080	34.592	27.781	32.495	37.103	0.86	30.6
300	0.015	0.004	34.600	27.783	32.495	37.100	0.65	30.5
325	0.192	0.179	34.620	27.790	32.496	37.096	0.79	30.0
350	0.326	0.312	34.635	27.794	32.497	37.093	0.64	29.7
375	0.387	0.371	34.644	27.798	32.499	37.093	0.63	29.4
400	0.408	0.391	34.650	27.802	32.502	37.096	0.66	29.1
425	0.425	0.407	34.654	27.804	32.504	37.097	0.51	28.9
450	0.419	0.400	34.655	27.806	32.505	37.099	0.40	28.8
475	0.439	0.418	34.660	27.808	32.507	37.100	0.58	28.6
500	0.419	0.397	34.659	27.809	32.508	37.102	0.30	28.6
550	0.477	0.453	34.667	27.812	32.510	37.102	0.38	28.4
600	0.520	0.493	34.673	27.815	32.511	37.102	0.33	28.3
650	0.577	0.547	34.681	27.818	32.513	37.102	0.37	28.2
700	0.574	0.542	34.683	27.820	32.515	37.104	0.36	28.0
750	0.532	0.497	34.683	27.822	32.519	37.109	0.47	27.8
800	0.506	0.469	34.681	27.822	32.520	37.111	0.22	27.8
850	0.497	0.457	34.685	27.826	32.524	37.116	0.51	27.4
900	0.468	0.426	34.684	27.827	32.526	37.119	0.34	27.3
950	0.429	0.384	34.681	27.827	32.527	37.121	0.27	27.3
1000	0.403	0.355	34.680	27.828	32.529	37.124	0.32	27.2
1100	0.350	0.297	34.678	27.830	32.532	37.129	0.33	26.9
1200	0.295	0.237	34.678	27.833	32.537	37.136	0.41	26.5
1300	0.255	0.191	34.678	27.836	32.541	37.141	0.36	26.2
1400	0.207	0.138	34.672	27.834	32.541	37.142	0.10	26.2
1500	0.181	0.106	34.675	27.838	32.546	37.148	0.41	25.8
1600	0.137	0.056	34.672	27.838	32.548	37.151	0.28	25.6
1700	0.095	0.008	34.672	27.841	32.552	37.157	0.39	25.1
1800	0.045	-0.048	34.667	27.840	32.553	37.159	0.24	25.0
1900	0.018	-0.081	34.668	27.843	32.556	37.164	0.37	24.6
2000	-0.033	-0.138	34.665	27.843	32.558	37.168	0.35	24.3
2100	-0.071	-0.183	34.663	27.844	32.560	37.171	0.32	24.0
2200	-0.086	-0.205	34.664	27.846	32.563	37.174	0.32	23.7
2300	-0.126	-0.251	34.662	27.846	32.565	37.178	0.35	23.4
2400	-0.212	-0.343	34.655	27.845	32.567	37.182	0.41	22.9
2500	-0.456	-0.590	34.634	27.840	32.569	37.192	0.63	21.6
2600	-0.820	-0.954	34.611	27.836	32.577	37.211	0.88	19.2
2700	-1.373	-1.503	34.619	27.862	32.620	37.270	1.47	12.5

PRES	TEMPER	POTEMP	SLINTY	OXYG
2695	-1.373	-1.502	34.601	6.617
2695	-1.373	-1.502	34.601	6.617

# CAMP 19



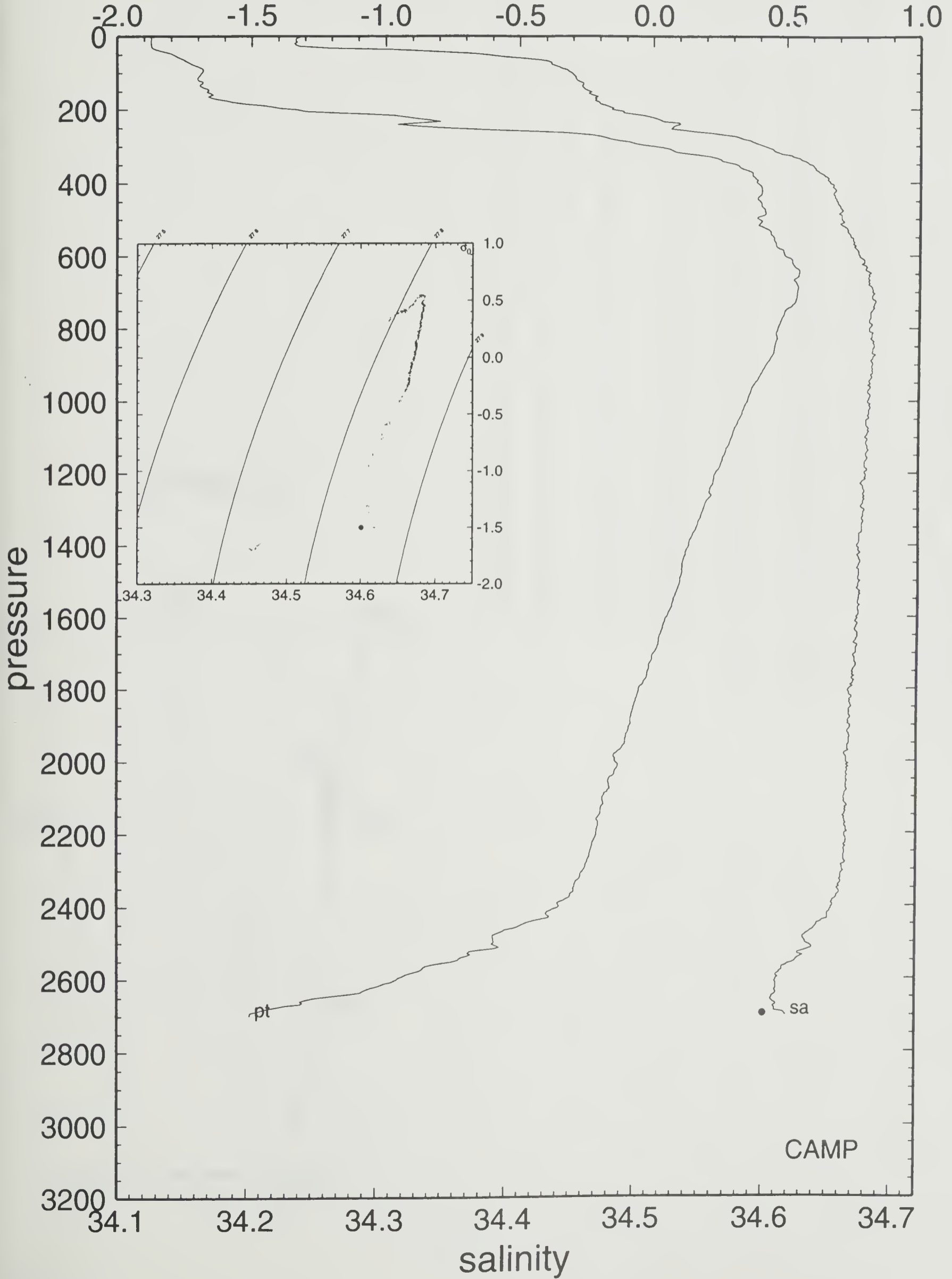
19

92/03/26 22:42

69 39.65 S 53 46.20 W

CAMP

# potential temperature

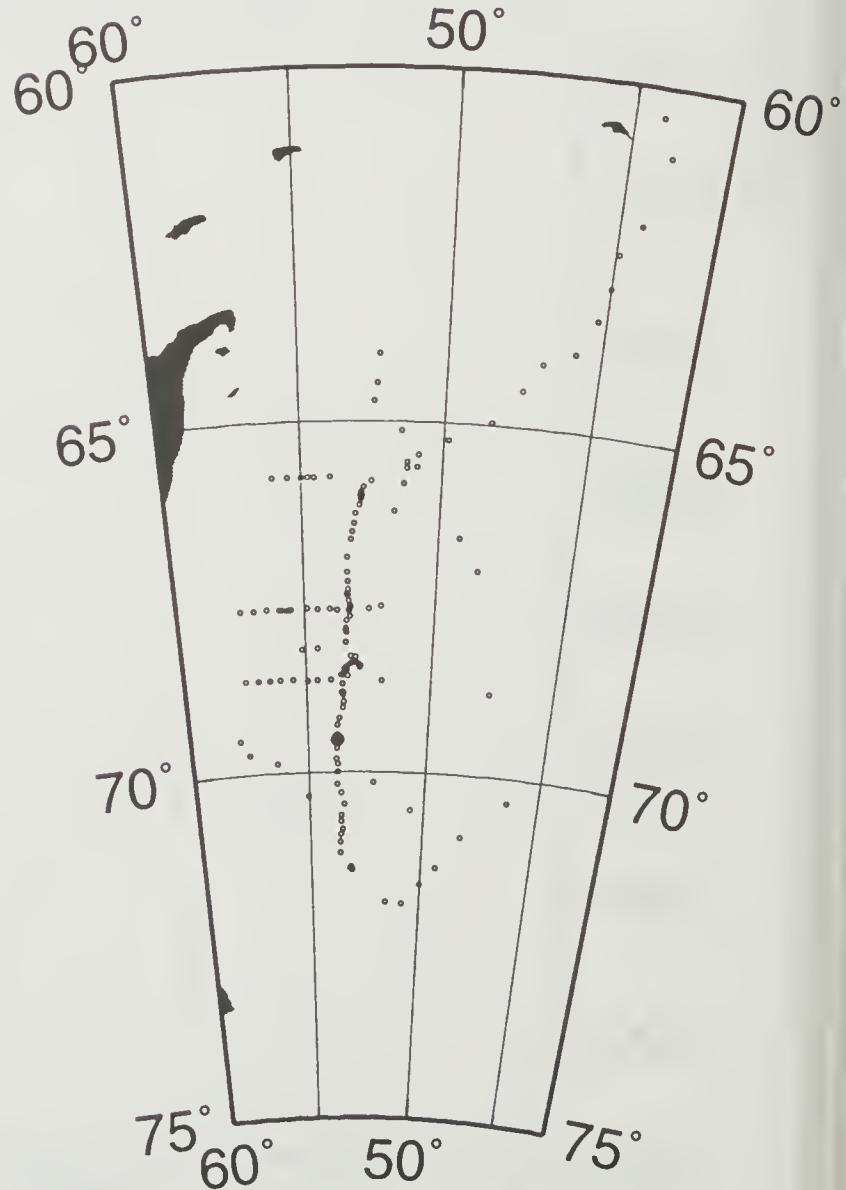


ISW-I -69.5343 -53.7353 92/03/27 87 13:35 CAMP STA# 20  
 bottom depth = 2594

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.857	-1.857	34.319	27.629	32.400	37.064	0.00	45.2
10	-1.855	-1.855	34.312	27.623	32.394	37.058	-1.34	45.7
20	-1.855	-1.855	34.318	27.628	32.399	37.063	1.24	45.2
30	-1.853	-1.854	34.324	27.633	32.404	37.068	1.23	44.6
40	-1.848	-1.849	34.329	27.637	32.408	37.071	1.11	44.2
50	-1.838	-1.839	34.360	27.662	32.432	37.095	2.79	41.8
60	-1.784	-1.785	34.438	27.724	32.492	37.152	4.40	35.9
70	-1.789	-1.790	34.450	27.734	32.502	37.162	1.76	34.9
80	-1.787	-1.789	34.452	27.735	32.503	37.164	0.70	34.7
90	-1.796	-1.798	34.456	27.739	32.507	37.168	1.05	34.3
100	-1.794	-1.796	34.457	27.739	32.508	37.168	0.49	34.1
110	-1.796	-1.798	34.457	27.740	32.508	37.169	0.15	34.1
120	-1.789	-1.791	34.457	27.739	32.507	37.168	-0.26	34.0
130	-1.786	-1.789	34.459	27.741	32.509	37.169	0.69	33.8
140	-1.774	-1.777	34.458	27.740	32.507	37.168	-0.61	33.9
150	-1.751	-1.754	34.462	27.742	32.509	37.169	0.89	33.6
160	-1.722	-1.725	34.465	27.744	32.510	37.168	0.68	33.4
170	-1.692	-1.696	34.468	27.746	32.511	37.168	0.67	33.2
180	-1.655	-1.659	34.469	27.745	32.509	37.166	-0.38	33.2
190	-1.681	-1.685	34.472	27.749	32.513	37.170	1.02	32.8
200	-1.632	-1.637	34.471	27.746	32.509	37.165	-0.89	33.0
210	-1.549	-1.554	34.479	27.750	32.511	37.164	1.04	32.6
220	-1.607	-1.612	34.482	27.755	32.517	37.172	1.20	32.1
230	-1.609	-1.614	34.479	27.752	32.514	37.169	-0.86	32.3
240	-1.522	-1.528	34.482	27.752	32.511	37.164	-0.52	32.3
250	-1.363	-1.369	34.491	27.754	32.509	37.156	0.55	32.2
260	-1.244	-1.251	34.498	27.756	32.507	37.150	0.45	32.1
270	-1.094	-1.102	34.508	27.759	32.505	37.144	0.67	31.9
280	-0.916	-0.924	34.518	27.760	32.500	37.134	-0.28	31.9
290	-0.696	-0.705	34.536	27.765	32.499	37.126	1.05	31.6
300	-0.613	-0.623	34.545	27.769	32.500	37.125	0.96	31.3
325	-0.071	-0.083	34.595	27.784	32.498	37.106	1.08	30.3
350	0.145	0.131	34.620	27.792	32.500	37.102	0.91	29.7
375	0.222	0.207	34.630	27.796	32.502	37.101	0.62	29.4
400	0.279	0.263	34.638	27.800	32.503	37.101	0.58	29.2
425	0.319	0.301	34.641	27.800	32.502	37.099	-0.18	29.2
450	0.386	0.367	34.651	27.804	32.505	37.099	0.65	28.9
475	0.447	0.426	34.659	27.807	32.506	37.099	0.52	28.7
500	0.455	0.433	34.662	27.809	32.508	37.100	0.49	28.6
550	0.569	0.544	34.674	27.812	32.507	37.097	0.28	28.5
600	0.602	0.575	34.679	27.814	32.509	37.097	0.32	28.4
650	0.548	0.518	34.675	27.815	32.510	37.101	0.28	28.4
700	0.546	0.514	34.680	27.819	32.515	37.105	0.52	28.1
750	0.526	0.491	34.681	27.821	32.518	37.109	0.40	27.9
755	0.525	0.490	34.681	27.821	32.518	37.109	0.25	27.9

PRES	TEMPER	POTEMP	SLINTY	OXYG
6	-1.856	-1.856	34.322	6.944
751	0.526	0.491	34.680	4.926

# CAMP 20

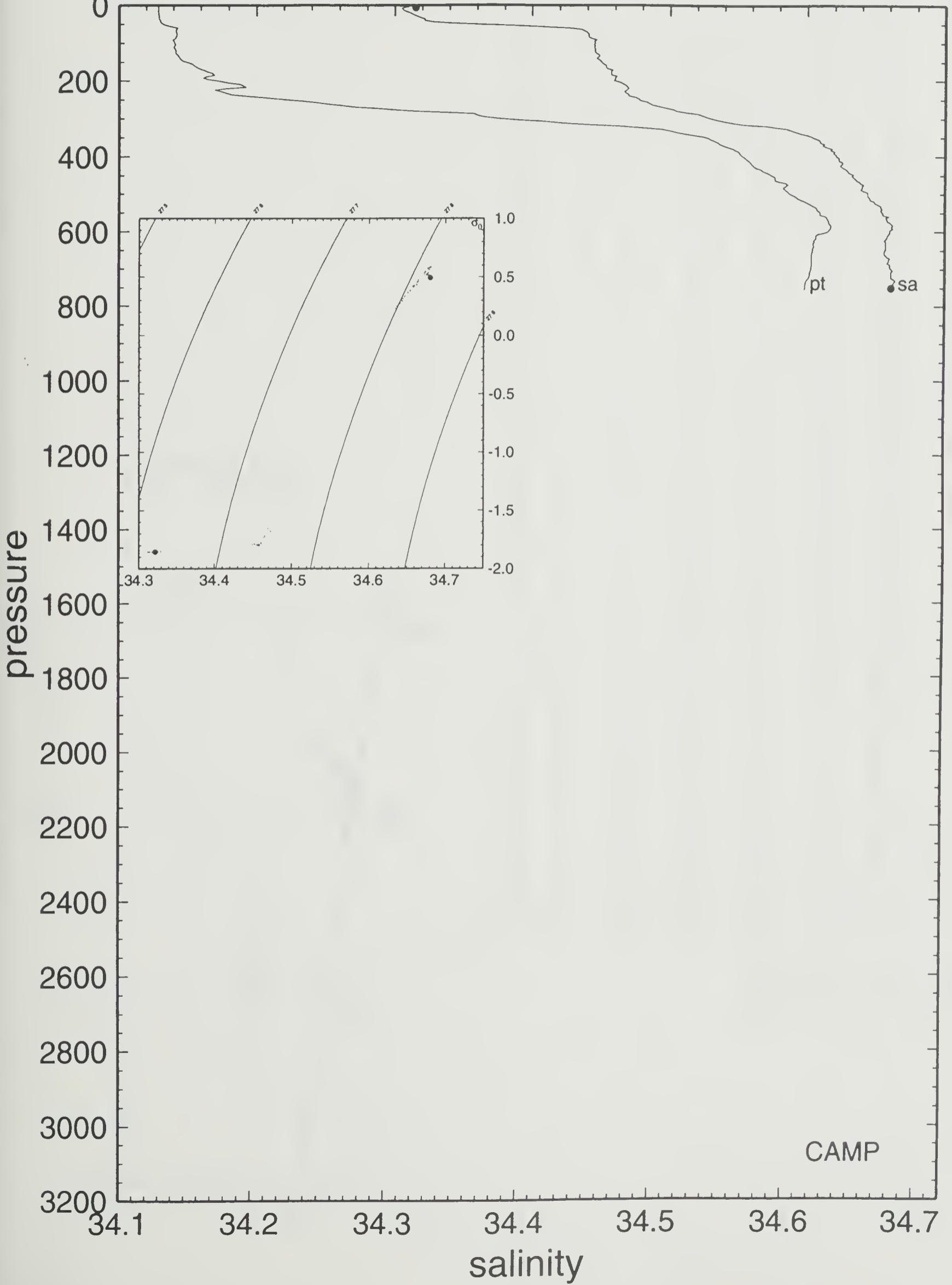




20 92/03/27 13:35 69 32.06 S 53 44.12 W CAMP

### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



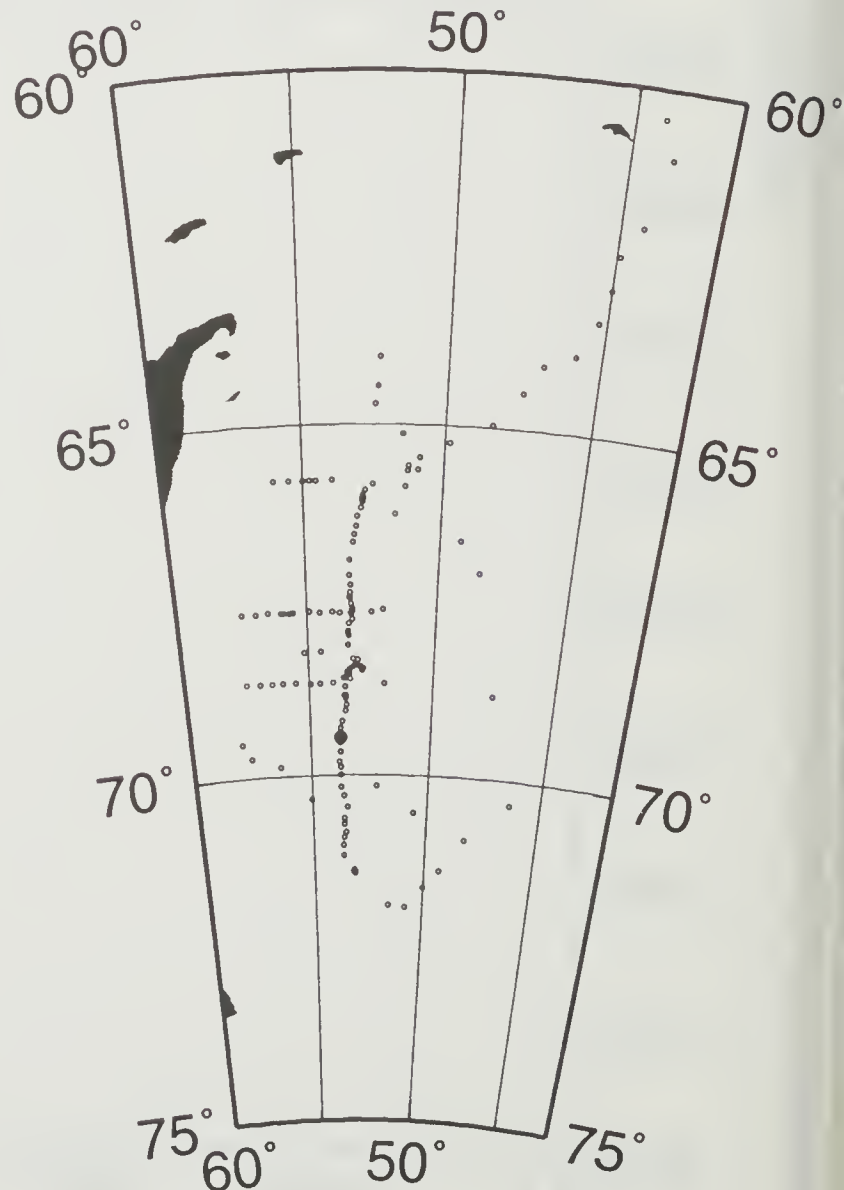
ISW-I -69.4610 -53.7452 92/03/27 87 23:00 CAMP STA# 21

bottom depth = 2587

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.864	-1.864	34.330	27.638	32.409	37.073	0.00	44.3
10	-1.863	-1.863	34.327	27.636	32.407	37.071	-0.88	44.5
20	-1.863	-1.863	34.326	27.635	32.406	37.070	-0.50	44.5
30	-1.863	-1.864	34.326	27.635	32.406	37.070	0.04	44.5
40	-1.861	-1.862	34.329	27.637	32.409	37.072	0.87	44.2
50	-1.859	-1.860	34.333	27.640	32.412	37.075	1.00	43.8
60	-1.828	-1.829	34.385	27.682	32.452	37.114	3.60	39.8
70	-1.783	-1.784	34.438	27.724	32.492	37.152	3.62	35.8
80	-1.782	-1.784	34.446	27.730	32.498	37.159	1.42	35.1
90	-1.778	-1.780	34.451	27.734	32.502	37.162	1.11	34.7
100	-1.790	-1.792	34.457	27.739	32.507	37.168	1.28	34.1
110	-1.786	-1.788	34.457	27.739	32.507	37.168	-0.19	34.1
120	-1.789	-1.791	34.459	27.741	32.509	37.170	0.73	33.9
130	-1.782	-1.785	34.460	27.742	32.509	37.170	0.43	33.8
140	-1.779	-1.782	34.460	27.742	32.509	37.170	-0.17	33.7
150	-1.755	-1.758	34.463	27.743	32.510	37.170	0.72	33.5
160	-1.702	-1.705	34.468	27.746	32.511	37.169	0.85	33.2
170	-1.685	-1.689	34.468	27.745	32.510	37.167	-0.42	33.2
180	-1.661	-1.665	34.472	27.748	32.512	37.169	0.87	32.9
190	-1.597	-1.601	34.471	27.745	32.507	37.162	-0.98	33.2
200	-1.593	-1.598	34.475	27.748	32.510	37.165	0.99	32.8
210	-1.478	-1.483	34.480	27.749	32.507	37.158	-0.27	32.8
220	-1.327	-1.333	34.489	27.751	32.505	37.151	0.65	32.6
230	-1.177	-1.183	34.497	27.753	32.501	37.143	0.25	32.6
240	-1.003	-1.010	34.513	27.759	32.502	37.139	1.28	32.0
250	-0.836	-0.844	34.521	27.759	32.497	37.128	-0.66	32.1
260	-0.659	-0.667	34.539	27.766	32.499	37.124	1.34	31.6
270	-0.519	-0.528	34.553	27.771	32.499	37.121	1.12	31.2
280	-0.399	-0.409	34.564	27.775	32.499	37.117	0.86	30.9
290	-0.183	-0.193	34.585	27.781	32.499	37.110	1.20	30.5
300	-0.069	-0.080	34.594	27.783	32.497	37.105	0.39	30.4
325	0.152	0.139	34.619	27.791	32.499	37.100	0.89	29.8
350	0.285	0.271	34.636	27.798	32.501	37.099	0.79	29.4
375	0.299	0.284	34.640	27.800	32.503	37.100	0.54	29.2
400	0.327	0.310	34.645	27.803	32.505	37.101	0.52	29.0
425	0.305	0.287	34.645	27.804	32.507	37.104	0.45	28.8
450	0.363	0.344	34.653	27.807	32.508	37.104	0.55	28.6
475	0.427	0.407	34.659	27.808	32.508	37.101	0.20	28.6
500	0.478	0.456	34.665	27.810	32.508	37.100	0.38	28.5
550	0.569	0.544	34.677	27.815	32.510	37.099	0.43	28.3
600	0.580	0.553	34.680	27.817	32.511	37.100	0.33	28.2
650	0.582	0.552	34.682	27.818	32.513	37.102	0.32	28.1
700	0.556	0.524	34.684	27.822	32.517	37.107	0.49	27.8
750	0.534	0.499	34.684	27.823	32.519	37.110	0.35	27.7
800	0.505	0.468	34.682	27.823	32.521	37.112	0.25	27.7
850	0.480	0.440	34.683	27.826	32.524	37.116	0.44	27.4
900	0.452	0.410	34.682	27.827	32.526	37.119	0.33	27.3
950	0.419	0.374	34.681	27.828	32.528	37.122	0.37	27.2
1000	0.397	0.350	34.680	27.829	32.529	37.124	0.29	27.1
1100	0.346	0.293	34.678	27.830	32.533	37.129	0.32	26.9
1200	0.295	0.237	34.678	27.833	32.537	37.136	0.40	26.5
1300	0.244	0.181	34.676	27.835	32.541	37.141	0.34	26.2
1400	0.203	0.134	34.673	27.835	32.542	37.143	0.25	26.1
1500	0.157	0.082	34.672	27.837	32.546	37.148	0.36	25.8
1600	0.117	0.036	34.669	27.837	32.547	37.151	0.26	25.6
1700	0.076	-0.011	34.669	27.840	32.551	37.157	0.39	25.2
1800	0.039	-0.054	34.666	27.839	32.552	37.159	0.26	25.0
1900	-0.009	-0.108	34.665	27.841	32.556	37.164	0.39	24.6
2000	-0.048	-0.153	34.665	27.844	32.560	37.169	0.39	24.1
2100	-0.072	-0.184	34.665	27.845	32.562	37.173	0.33	23.8
2200	-0.102	-0.220	34.662	27.845	32.563	37.174	0.24	23.7
2300	-0.181	-0.305	34.656	27.844	32.564	37.179	0.40	23.2
2400	-0.353	-0.481	34.646	27.844	32.570	37.190	0.63	22.0
2500	-0.700	-0.829	34.619	27.838	32.574	37.204	0.78	20.1
2600	-1.441	-1.562	34.601	27.850	32.609	37.262	1.46	13.5
2610	-1.445	-1.567	34.598	27.847	32.607	37.260	-0.76	13.6

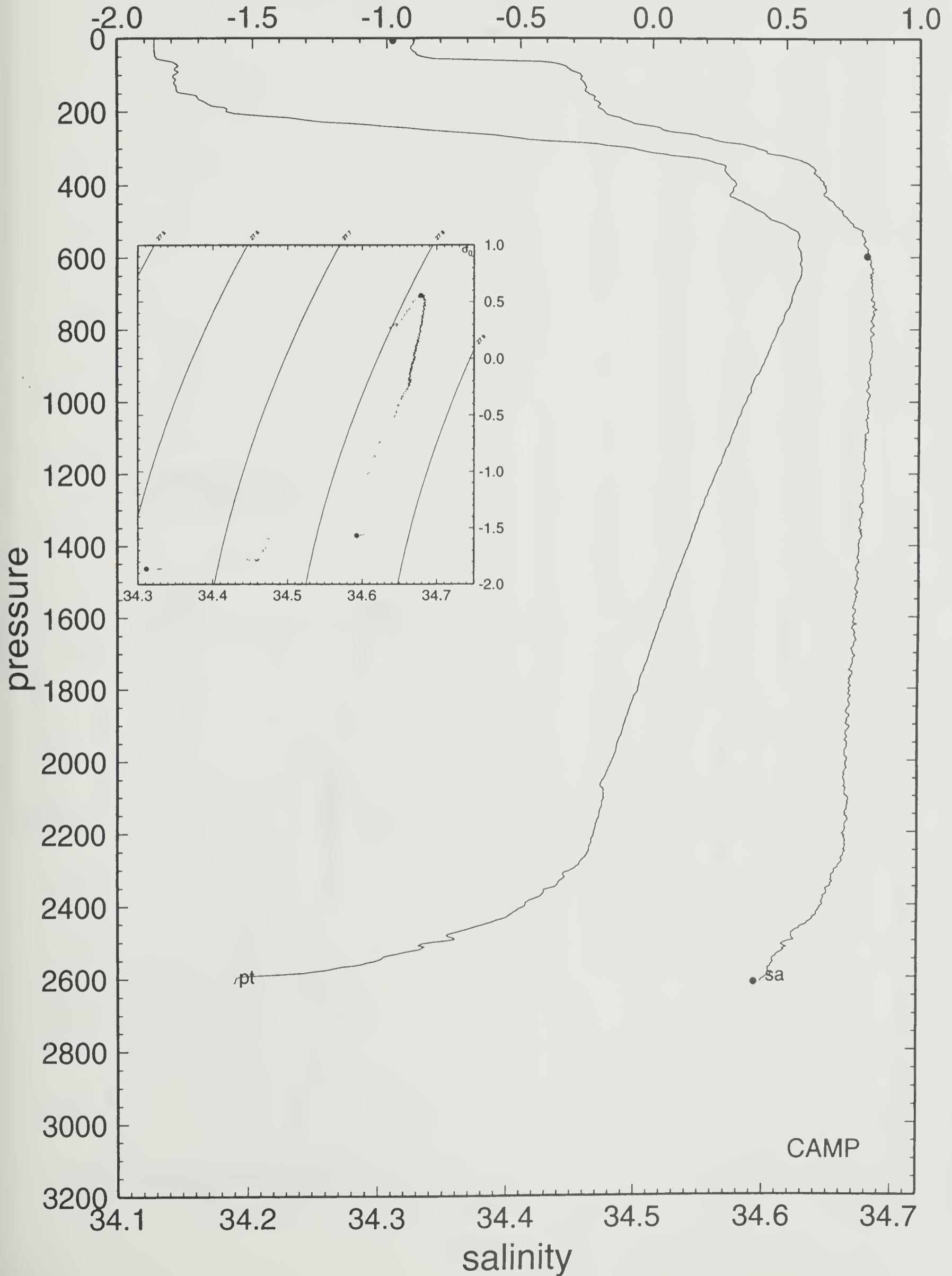
PRES	TEMPER	POTEMP	SLINTY	OXYG
6	-1.863	-1.863	34.311	7.083
599	0.580	0.553	34.679	4.727
2611	-1.446	-1.568	34.593	6.704

# CAMP 21



21 92/03/27 23:00 69 27.66 S 53 44.71 W CAMP

### potential temperature



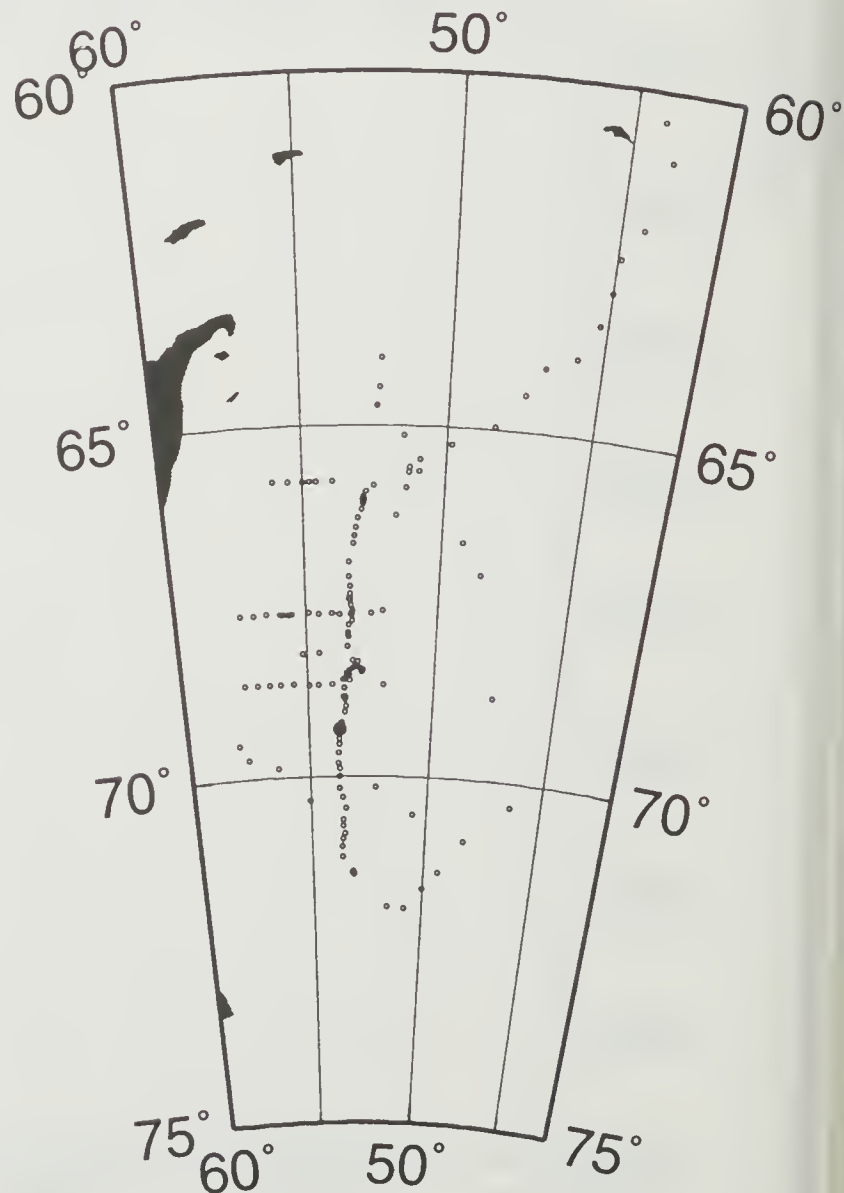
ISW-I -69.3300 -53.7398 92/03/28 88 17:30 CAMP STA# 22

bottom depth = 2621

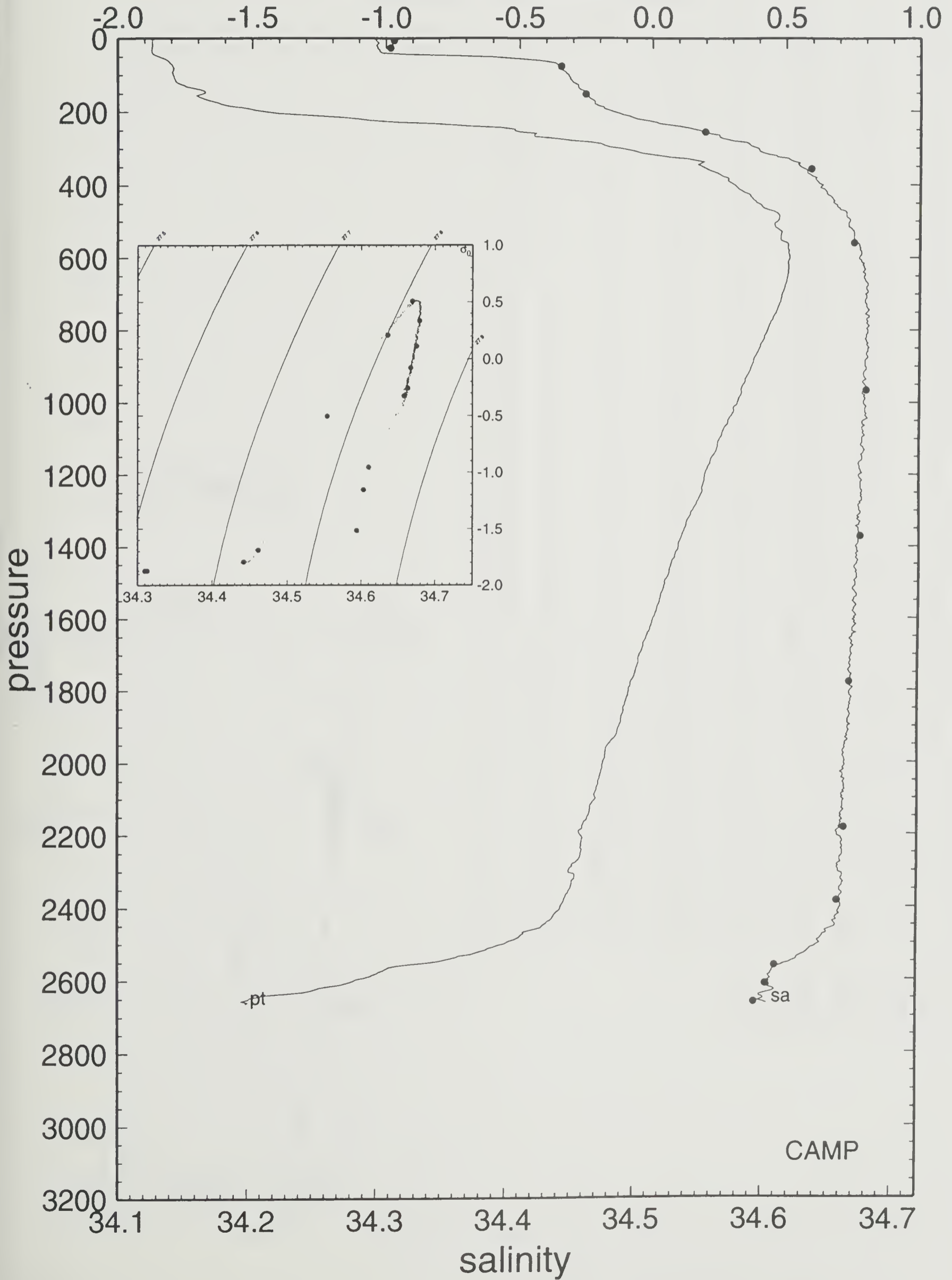
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.857	-1.857	34.294	27.609	32.380	37.044	0.00	47.1
10	-1.871	-1.871	34.300	27.614	32.386	37.050	1.28	46.6
20	-1.871	-1.871	34.299	27.613	32.385	37.049	-0.50	46.6
30	-1.872	-1.873	34.301	27.615	32.387	37.051	0.72	46.4
40	-1.871	-1.872	34.304	27.617	32.389	37.053	0.87	46.1
50	-1.847	-1.848	34.372	27.672	32.442	37.105	4.14	40.8
60	-1.814	-1.815	34.424	27.713	32.482	37.144	3.60	36.9
70	-1.800	-1.801	34.438	27.724	32.493	37.154	1.85	35.8
80	-1.790	-1.792	34.440	27.726	32.494	37.155	0.65	35.6
90	-1.793	-1.795	34.444	27.729	32.497	37.158	1.02	35.2
100	-1.791	-1.793	34.448	27.732	32.500	37.161	1.00	34.8
110	-1.786	-1.788	34.449	27.733	32.501	37.161	0.46	34.7
120	-1.777	-1.779	34.451	27.734	32.502	37.162	0.65	34.5
130	-1.746	-1.749	34.455	27.737	32.503	37.163	0.84	34.3
140	-1.685	-1.688	34.457	27.736	32.501	37.159	-0.33	34.2
150	-1.678	-1.681	34.463	27.741	32.506	37.163	1.21	33.7
160	-1.694	-1.697	34.463	27.742	32.507	37.164	0.41	33.6
170	-1.650	-1.654	34.467	27.744	32.507	37.164	0.74	33.4
180	-1.609	-1.613	34.468	27.743	32.506	37.161	-0.44	33.4
190	-1.520	-1.524	34.475	27.746	32.506	37.158	0.88	33.1
200	-1.448	-1.453	34.482	27.750	32.507	37.157	0.96	32.8
210	-1.269	-1.274	34.493	27.753	32.504	37.149	0.75	32.6
220	-1.094	-1.100	34.501	27.753	32.499	37.138	-0.55	32.6
230	-0.890	-0.897	34.518	27.759	32.498	37.131	1.18	32.2
240	-0.683	-0.691	34.535	27.764	32.497	37.124	1.07	31.8
250	-0.510	-0.518	34.549	27.768	32.495	37.117	0.86	31.6
260	-0.430	-0.439	34.558	27.771	32.496	37.115	0.97	31.3
270	-0.406	-0.415	34.566	27.777	32.501	37.119	1.27	30.8
280	-0.294	-0.304	34.576	27.779	32.500	37.115	0.75	30.6
290	-0.178	-0.188	34.589	27.784	32.502	37.113	1.09	30.2
300	-0.108	-0.119	34.595	27.785	32.501	37.110	0.47	30.1
325	0.096	0.083	34.612	27.789	32.498	37.101	0.38	30.0
350	0.200	0.186	34.627	27.795	32.501	37.101	0.82	29.5
375	0.276	0.261	34.637	27.799	32.503	37.101	0.62	29.2
400	0.325	0.308	34.645	27.803	32.505	37.101	0.63	29.0
425	0.378	0.360	34.648	27.802	32.503	37.098	-0.39	29.1
450	0.414	0.395	34.653	27.804	32.504	37.098	0.44	29.0
475	0.482	0.461	34.663	27.808	32.506	37.098	0.63	28.7
500	0.492	0.470	34.666	27.810	32.508	37.099	0.47	28.5
550	0.506	0.482	34.669	27.812	32.509	37.100	0.31	28.5
600	0.541	0.514	34.673	27.813	32.509	37.100	0.21	28.4
650	0.536	0.506	34.677	27.817	32.513	37.104	0.49	28.2
700	0.518	0.486	34.678	27.819	32.516	37.107	0.39	28.0
750	0.500	0.465	34.680	27.822	32.519	37.111	0.45	27.7
800	0.470	0.433	34.680	27.824	32.522	37.115	0.41	27.6
850	0.442	0.402	34.681	27.826	32.525	37.119	0.46	27.3
900	0.415	0.373	34.678	27.826	32.526	37.120	0.07	27.3
950	0.387	0.342	34.677	27.827	32.528	37.123	0.33	27.2
1000	0.366	0.319	34.677	27.828	32.530	37.125	0.36	27.1
1100	0.304	0.252	34.676	27.831	32.535	37.132	0.40	26.7
1200	0.255	0.197	34.674	27.832	32.538	37.137	0.32	26.5
1300	0.214	0.151	34.674	27.835	32.542	37.142	0.37	26.1
1400	0.168	0.099	34.671	27.835	32.544	37.146	0.28	25.9
1500	0.123	0.049	34.671	27.838	32.548	37.151	0.39	25.5
1600	0.086	0.006	34.671	27.840	32.551	37.156	0.36	25.2
1700	0.040	-0.046	34.669	27.841	32.554	37.160	0.34	24.8
1800	0.005	-0.087	34.668	27.843	32.557	37.164	0.33	24.5
1900	-0.023	-0.121	34.666	27.843	32.558	37.166	0.25	24.4
2000	-0.078	-0.182	34.663	27.844	32.560	37.171	0.36	24.0
2100	-0.098	-0.209	34.661	27.843	32.561	37.172	0.21	23.9
2200	-0.149	-0.266	34.658	27.844	32.563	37.176	0.36	23.5
2300	-0.186	-0.310	34.659	27.847	32.567	37.182	0.43	22.9
2400	-0.209	-0.340	34.661	27.850	32.571	37.186	0.40	22.4
2500	-0.417	-0.551	34.645	27.847	32.575	37.196	0.63	21.2
2600	-0.984	-1.114	34.605	27.838	32.583	37.222	1.04	17.9
2660	-1.388	-1.515	34.601	27.848	32.606	37.257	1.48	13.8

PRES	TEMPER	POTEMP	SLINTY	OXYG
6	-1.871	-1.871	34.313	6.918
26	-1.872	-1.872	34.310	6.880
77	-1.792	-1.794	34.442	6.584
153	-1.688	-1.691	34.461	6.651
255	-0.498	-0.506	34.554	5.010
357	0.222	0.208	34.636	5.082
560	0.532	0.507	34.669	4.954
966	0.380	0.335	34.679	4.979
1372	0.179	0.112	34.675	5.189
1777	0.012	-0.079	34.667	5.266
2181	-0.142	-0.258	34.663	5.268
2383	-0.197	-0.327	34.658	5.311
2560	-0.826	-0.957	34.610	6.228
2610	-1.027	-1.157	34.603	6.539
2661	-1.390	-1.517	34.594	6.882

## CAMP 22



### potential temperature



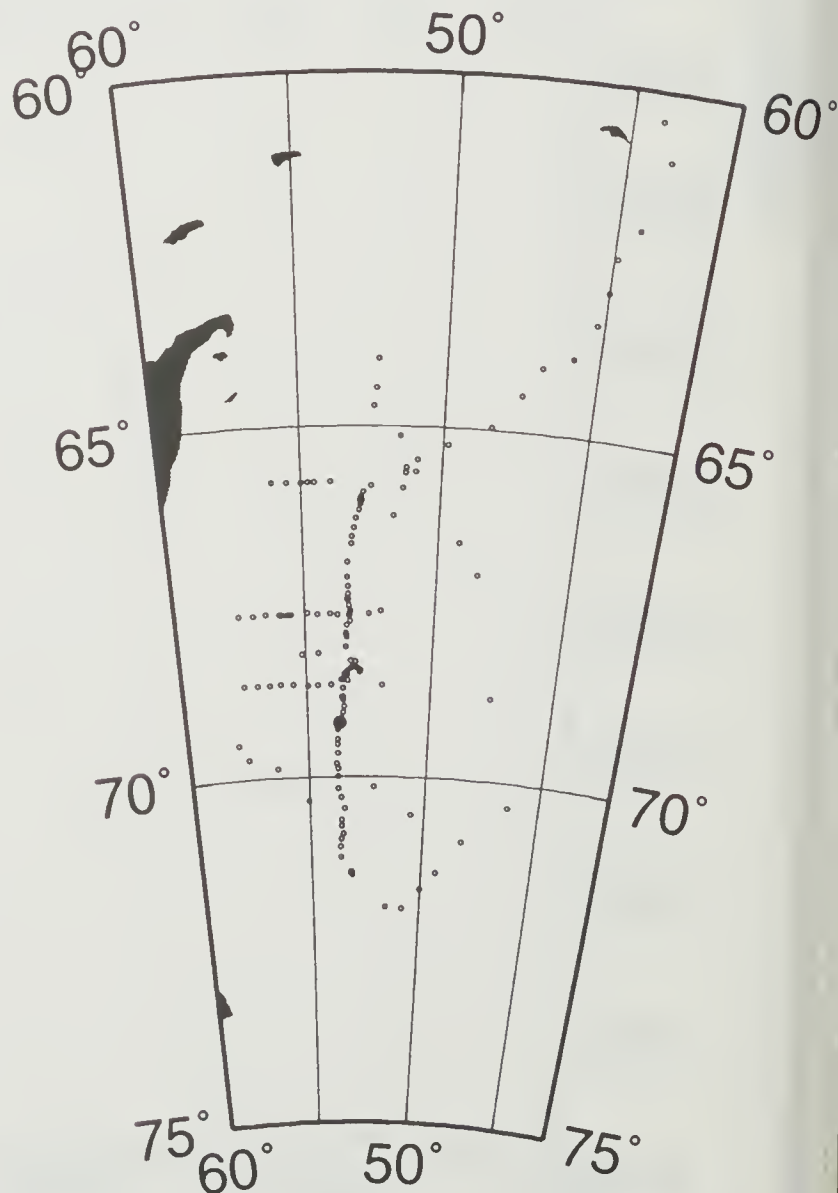
ISW-I -69.2203 -53.6620 92/03/29 89 18:25 CAMP STA# 23

bottom depth = 2651

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.872	-1.872	34.330	27.638	32.410	37.074	0.00	44.3
10	-1.875	-1.875	34.331	27.639	32.411	37.075	0.53	44.2
20	-1.875	-1.875	34.330	27.638	32.410	37.074	-0.50	44.2
30	-1.874	-1.875	34.338	27.645	32.416	37.081	1.42	43.5
40	-1.870	-1.871	34.359	27.662	32.433	37.097	2.31	41.8
50	-1.869	-1.870	34.367	27.668	32.440	37.103	1.42	41.2
60	-1.861	-1.862	34.383	27.681	32.452	37.115	2.00	39.9
70	-1.854	-1.855	34.392	27.688	32.459	37.122	1.49	39.1
80	-1.827	-1.829	34.410	27.702	32.472	37.134	2.08	37.8
90	-1.802	-1.804	34.438	27.724	32.493	37.154	2.63	35.6
100	-1.797	-1.799	34.445	27.730	32.498	37.159	1.32	35.0
110	-1.795	-1.797	34.446	27.731	32.499	37.160	0.49	34.9
120	-1.791	-1.793	34.448	27.732	32.500	37.161	0.69	34.7
130	-1.781	-1.784	34.450	27.733	32.501	37.162	0.64	34.5
140	-1.773	-1.776	34.449	27.732	32.500	37.160	-0.58	34.6
150	-1.743	-1.746	34.454	27.736	32.502	37.162	0.98	34.2
160	-1.714	-1.717	34.458	27.738	32.504	37.162	0.85	34.0
170	-1.664	-1.668	34.462	27.740	32.504	37.161	0.70	33.8
180	-1.621	-1.625	34.463	27.739	32.502	37.158	-0.46	33.8
190	-1.600	-1.604	34.466	27.741	32.503	37.158	0.73	33.6
200	-1.625	-1.630	34.467	27.743	32.506	37.161	0.73	33.3
210	-1.530	-1.535	34.472	27.744	32.504	37.157	0.42	33.2
220	-1.451	-1.456	34.476	27.745	32.502	37.152	0.27	33.2
230	-1.299	-1.305	34.487	27.749	32.501	37.147	0.94	32.9
240	-0.962	-0.969	34.504	27.750	32.492	37.127	-0.57	32.9
250	-0.826	-0.834	34.520	27.758	32.495	37.126	1.42	32.3
260	-0.732	-0.740	34.531	27.763	32.497	37.126	1.15	31.8
270	-0.581	-0.590	34.546	27.768	32.498	37.122	1.17	31.4
280	-0.488	-0.497	34.555	27.771	32.499	37.119	0.85	31.2
290	-0.386	-0.396	34.563	27.773	32.497	37.115	0.52	31.1
300	-0.272	-0.283	34.576	27.778	32.499	37.113	1.12	30.7
325	0.051	0.038	34.604	27.785	32.495	37.100	0.62	30.4
350	0.195	0.181	34.625	27.794	32.500	37.100	0.98	29.6
375	0.235	0.220	34.630	27.796	32.501	37.100	0.42	29.5
400	0.317	0.300	34.640	27.799	32.502	37.098	0.57	29.3
425	0.348	0.330	34.644	27.801	32.502	37.098	0.38	29.2
450	0.399	0.380	34.651	27.803	32.504	37.098	0.51	29.0
475	0.444	0.423	34.657	27.806	32.504	37.098	0.46	28.9
500	0.467	0.445	34.664	27.810	32.508	37.100	0.71	28.5
550	0.479	0.455	34.667	27.812	32.510	37.102	0.33	28.4
600	0.524	0.497	34.671	27.813	32.509	37.100	-0.04	28.5
650	0.530	0.500	34.675	27.816	32.512	37.103	0.43	28.3
700	0.531	0.499	34.678	27.818	32.515	37.105	0.40	28.1
750	0.507	0.472	34.680	27.821	32.518	37.110	0.48	27.8
800	0.489	0.452	34.682	27.824	32.522	37.114	0.45	27.6
850	0.466	0.426	34.681	27.825	32.523	37.116	0.29	27.5
900	0.433	0.391	34.681	27.827	32.526	37.120	0.43	27.3
950	0.376	0.331	34.676	27.826	32.528	37.123	0.26	27.2
1000	0.362	0.315	34.678	27.829	32.531	37.127	0.43	27.0
1100	0.314	0.262	34.678	27.832	32.535	37.133	0.38	26.6
1200	0.245	0.187	34.674	27.833	32.538	37.138	0.33	26.4
1300	0.205	0.142	34.671	27.833	32.540	37.141	0.24	26.3
1400	0.166	0.097	34.671	27.835	32.544	37.146	0.36	25.9
1500	0.118	0.044	34.671	27.838	32.548	37.152	0.40	25.5
1600	0.079	-0.001	34.667	27.838	32.549	37.154	0.20	25.4
1700	0.037	-0.049	34.667	27.840	32.553	37.159	0.39	25.0
1800	0.004	-0.088	34.663	27.839	32.553	37.160	0.17	24.9
1900	-0.024	-0.122	34.666	27.843	32.558	37.167	0.43	24.4
2000	-0.049	-0.154	34.665	27.844	32.560	37.169	0.29	24.1
2100	-0.083	-0.194	34.664	27.845	32.562	37.173	0.34	23.8
2200	-0.126	-0.244	34.660	27.844	32.563	37.175	0.28	23.6
2300	-0.142	-0.267	34.663	27.848	32.567	37.180	0.40	23.1
2400	-0.192	-0.323	34.659	27.847	32.568	37.183	0.33	22.8
2500	-0.309	-0.446	34.651	27.847	32.571	37.190	0.51	22.0
2600	-0.608	-0.746	34.626	27.840	32.574	37.201	0.72	20.4
2690	-1.409	-1.537	34.602	27.850	32.608	37.260	1.59	13.4

PRES	TEMPER	POTEMP	SLINTY	OXYG
7	-1.875	-1.875	34.337	6.999
595	0.513	0.486	34.677	5.071
2690	-1.409	-1.537	34.591	6.836

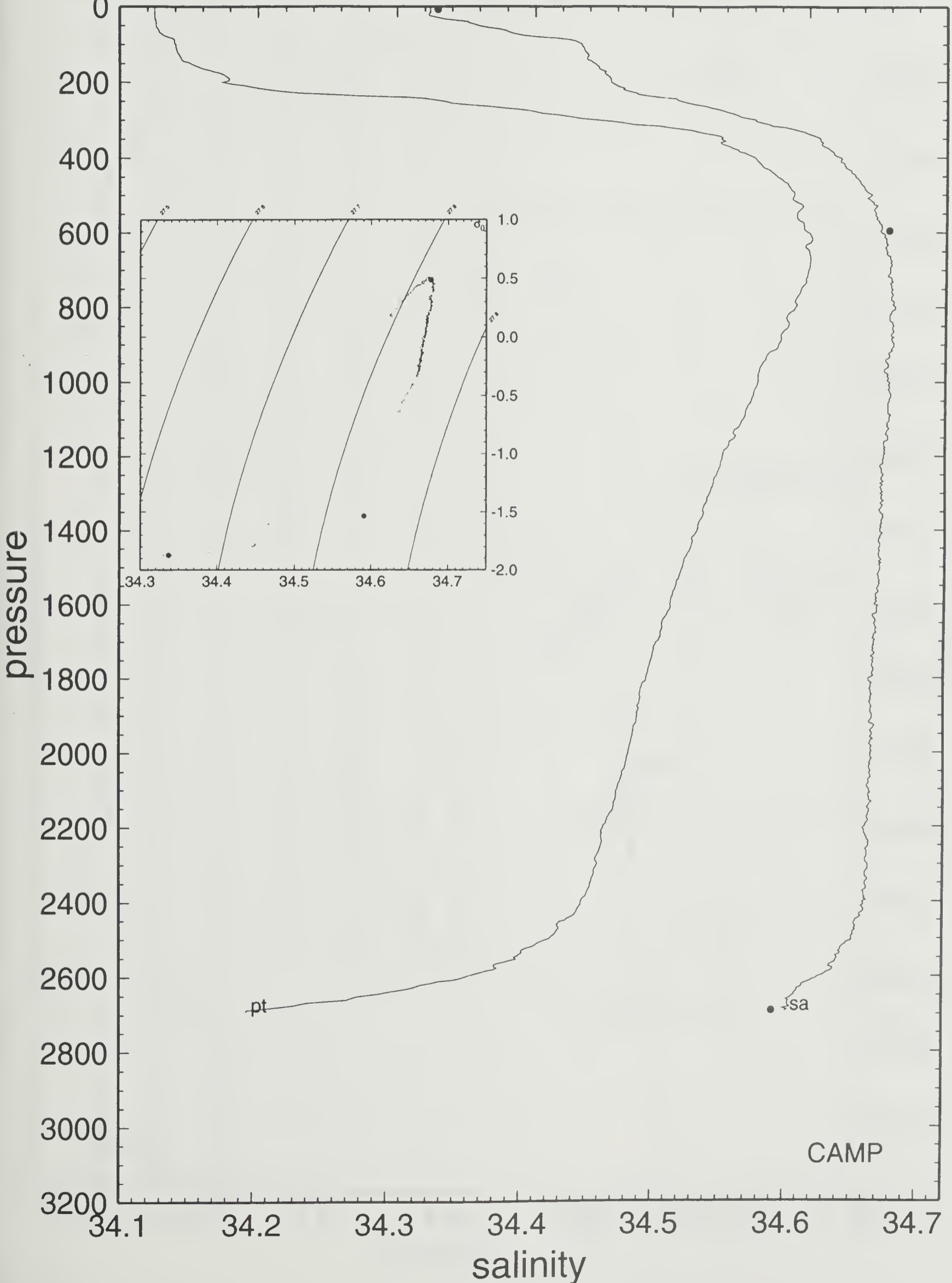
# CAMP 23



23 92/03/29 18:25 69 13.22 S 53 39.72 W CAMP

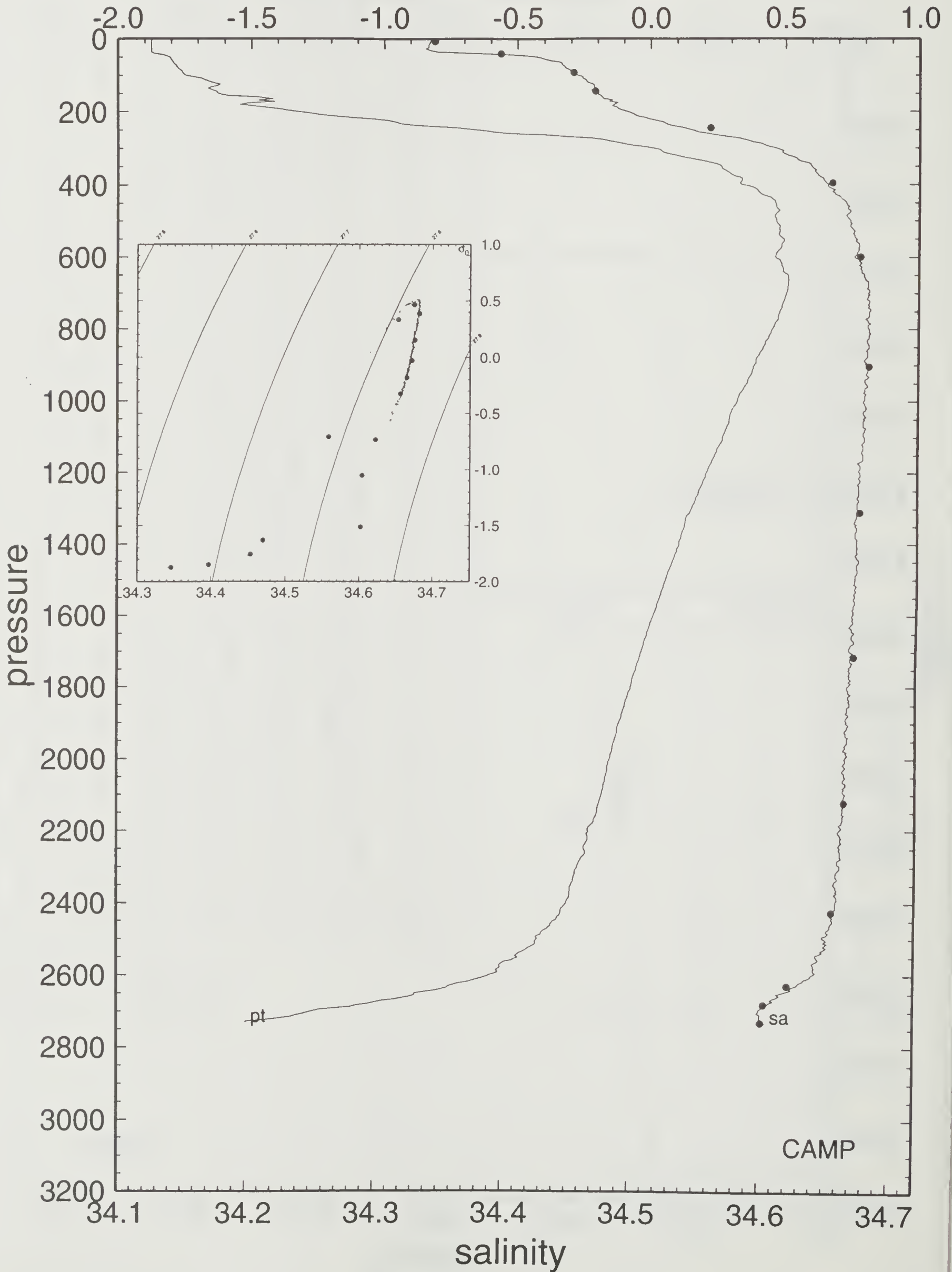
### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



24 92/03/30 17:00 69 4.79 S 53 29.99 W CAMP

potential temperature





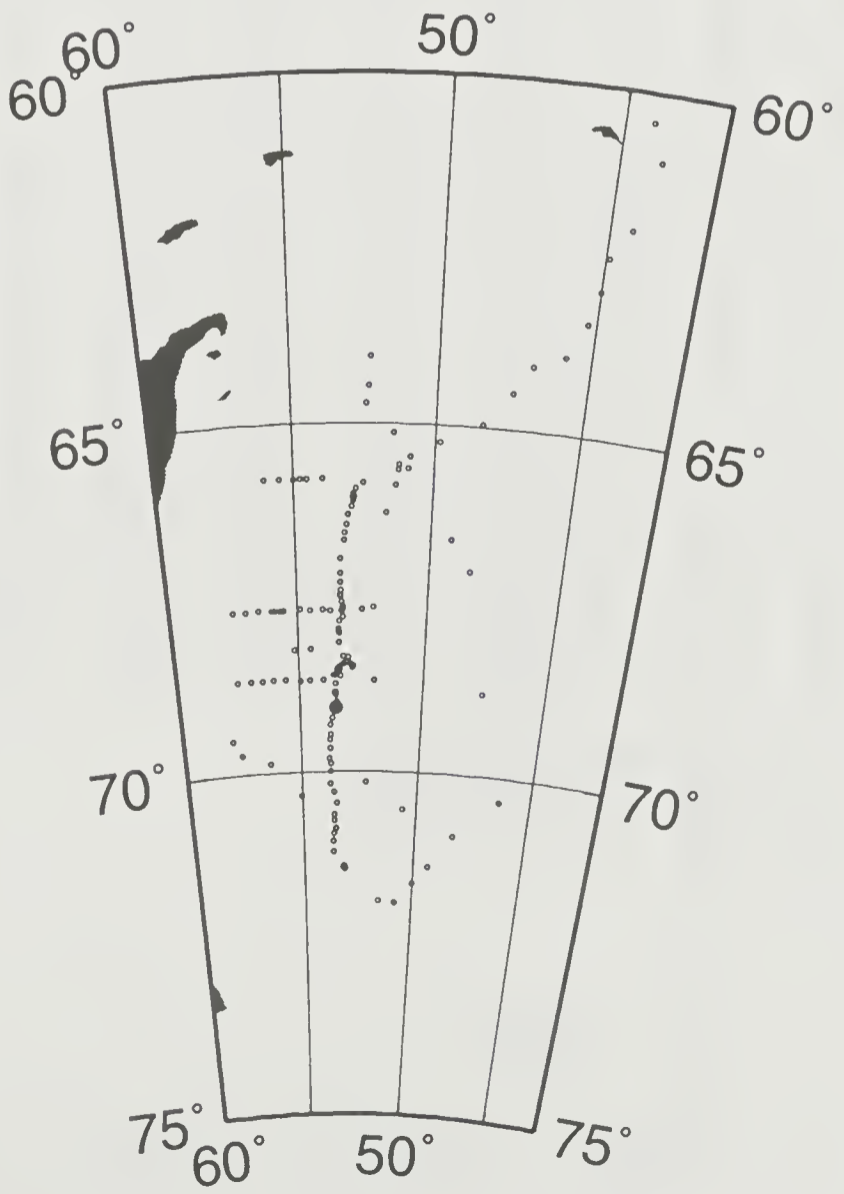
CSW-I -69.0798 -53.4998 92/03/30 90 17:00 CAMP STA# 24

bottom depth = 2693

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.870	-1.870	34.346	27.651	32.423	37.087	0.00	43.1
10	-1.875	-1.875	34.342	27.648	32.420	37.084	-0.99	43.3
20	-1.875	-1.875	34.341	27.647	32.419	37.083	-0.50	43.3
30	-1.875	-1.876	34.341	27.647	32.419	37.083	0.04	43.3
40	-1.864	-1.865	34.373	27.673	32.444	37.108	2.84	40.8
50	-1.808	-1.809	34.424	27.713	32.482	37.143	3.53	36.9
60	-1.795	-1.796	34.435	27.722	32.490	37.151	1.64	36.1
70	-1.786	-1.787	34.444	27.729	32.497	37.157	1.49	35.3
80	-1.773	-1.775	34.447	27.731	32.498	37.159	0.80	35.1
90	-1.757	-1.759	34.452	27.734	32.501	37.161	1.06	34.7
100	-1.743	-1.745	34.456	27.737	32.504	37.163	0.94	34.4
110	-1.678	-1.680	34.461	27.739	32.504	37.161	0.79	34.1
120	-1.638	-1.641	34.464	27.741	32.504	37.160	0.60	34.0
130	-1.637	-1.640	34.469	27.745	32.508	37.164	1.12	33.5
140	-1.640	-1.643	34.467	27.743	32.507	37.163	-0.69	33.6
150	-1.618	-1.621	34.471	27.746	32.508	37.164	0.88	33.3
160	-1.471	-1.475	34.475	27.745	32.503	37.153	-0.79	33.5
170	-1.438	-1.442	34.482	27.749	32.506	37.156	1.18	33.0
180	-1.537	-1.541	34.485	27.755	32.515	37.167	1.38	32.4
190	-1.411	-1.416	34.487	27.752	32.508	37.157	-0.99	32.6
200	-1.322	-1.327	34.495	27.756	32.509	37.155	0.97	32.3
210	-1.209	-1.215	34.502	27.758	32.507	37.150	0.57	32.1
220	-1.040	-1.046	34.512	27.760	32.504	37.141	0.49	32.0
230	-0.939	-0.946	34.524	27.766	32.507	37.141	1.26	31.5
240	-0.811	-0.818	34.532	27.767	32.504	37.134	0.35	31.5
250	-0.635	-0.643	34.545	27.770	32.502	37.127	0.73	31.3
260	-0.525	-0.534	34.557	27.775	32.503	37.125	1.11	30.9
270	-0.260	-0.270	34.577	27.778	32.498	37.112	0.70	30.7
280	-0.150	-0.160	34.589	27.783	32.499	37.110	1.02	30.4
290	-0.074	-0.085	34.600	27.788	32.502	37.110	1.17	30.0
300	0.020	0.009	34.609	27.790	32.502	37.107	0.69	29.8
325	0.134	0.121	34.623	27.795	32.503	37.105	0.72	29.4
350	0.275	0.261	34.637	27.799	32.503	37.101	0.51	29.2
375	0.322	0.307	34.642	27.800	32.503	37.099	0.34	29.2
400	0.353	0.336	34.650	27.805	32.507	37.102	0.74	28.8
425	0.426	0.408	34.655	27.805	32.504	37.098	-0.36	28.9
450	0.482	0.463	34.663	27.808	32.506	37.098	0.56	28.7
475	0.495	0.474	34.667	27.811	32.508	37.099	0.54	28.5
500	0.489	0.467	34.667	27.811	32.509	37.100	0.26	28.4
550	0.518	0.494	34.672	27.814	32.510	37.101	0.36	28.3
600	0.490	0.463	34.670	27.814	32.511	37.103	0.21	28.3
650	0.539	0.509	34.678	27.818	32.514	37.104	0.42	28.1
700	0.538	0.506	34.681	27.820	32.516	37.107	0.41	27.9
750	0.516	0.481	34.682	27.822	32.519	37.110	0.42	27.7
800	0.490	0.453	34.682	27.824	32.522	37.114	0.38	27.6
850	0.461	0.421	34.682	27.826	32.525	37.117	0.40	27.4
900	0.430	0.388	34.681	27.827	32.527	37.121	0.36	27.2
950	0.406	0.361	34.680	27.828	32.528	37.123	0.30	27.2
1000	0.372	0.325	34.678	27.828	32.530	37.126	0.31	27.1
1100	0.324	0.271	34.679	27.832	32.535	37.132	0.41	26.6
1200	0.270	0.212	34.676	27.833	32.538	37.137	0.30	26.4
1300	0.221	0.158	34.674	27.835	32.541	37.142	0.33	26.2
1400	0.182	0.113	34.673	27.836	32.544	37.146	0.33	25.9
1500	0.138	0.063	34.672	27.838	32.547	37.151	0.35	25.6
1600	0.099	0.019	34.670	27.839	32.549	37.154	0.30	25.4
1700	0.061	-0.025	34.669	27.840	32.552	37.158	0.34	25.0
1800	0.028	-0.064	34.667	27.841	32.554	37.161	0.28	24.8
1900	-0.009	-0.108	34.666	27.842	32.557	37.165	0.34	24.5
2000	-0.038	-0.143	34.665	27.843	32.559	37.168	0.31	24.2
2100	-0.062	-0.174	34.666	27.846	32.562	37.172	0.36	23.9
2200	-0.107	-0.225	34.661	27.844	32.562	37.174	0.24	23.7
2300	-0.140	-0.265	34.662	27.847	32.566	37.179	0.41	23.2
2400	-0.174	-0.306	34.659	27.847	32.567	37.181	0.28	23.0
2500	-0.274	-0.411	34.651	27.845	32.569	37.186	0.45	22.4
2600	-0.447	-0.588	34.640	27.844	32.574	37.196	0.63	21.1
2700	-1.128	-1.263	34.600	27.839	32.589	37.232	1.23	16.4
2730	-1.381	-1.513	34.604	27.851	32.609	37.259	1.82	13.4

PRES	TEMPER	POTEMP	SLINTY	OXYG
7	-1.875	-1.875	34.346	7.074
42	-1.847	-1.848	34.397	6.749
93	-1.755	-1.757	34.453	6.707
144	-1.626	-1.629	34.470	6.577
245	-0.700	-0.708	34.559	5.781
397	0.349	0.332	34.653	4.845
600	0.490	0.463	34.675	4.704
904	0.428	0.386	34.682	4.708
1310	0.216	0.152	34.676	5.084
1716	0.056	-0.031	34.672	4.981
2122	-0.069	-0.182	34.665	5.339
2426	-0.194	-0.327	34.656	5.520
2629	-0.591	-0.732	34.622	6.046
2680	-0.915	-1.053	34.604	6.348
2731	-1.381	-1.513	34.602	6.877

# CAMP 24



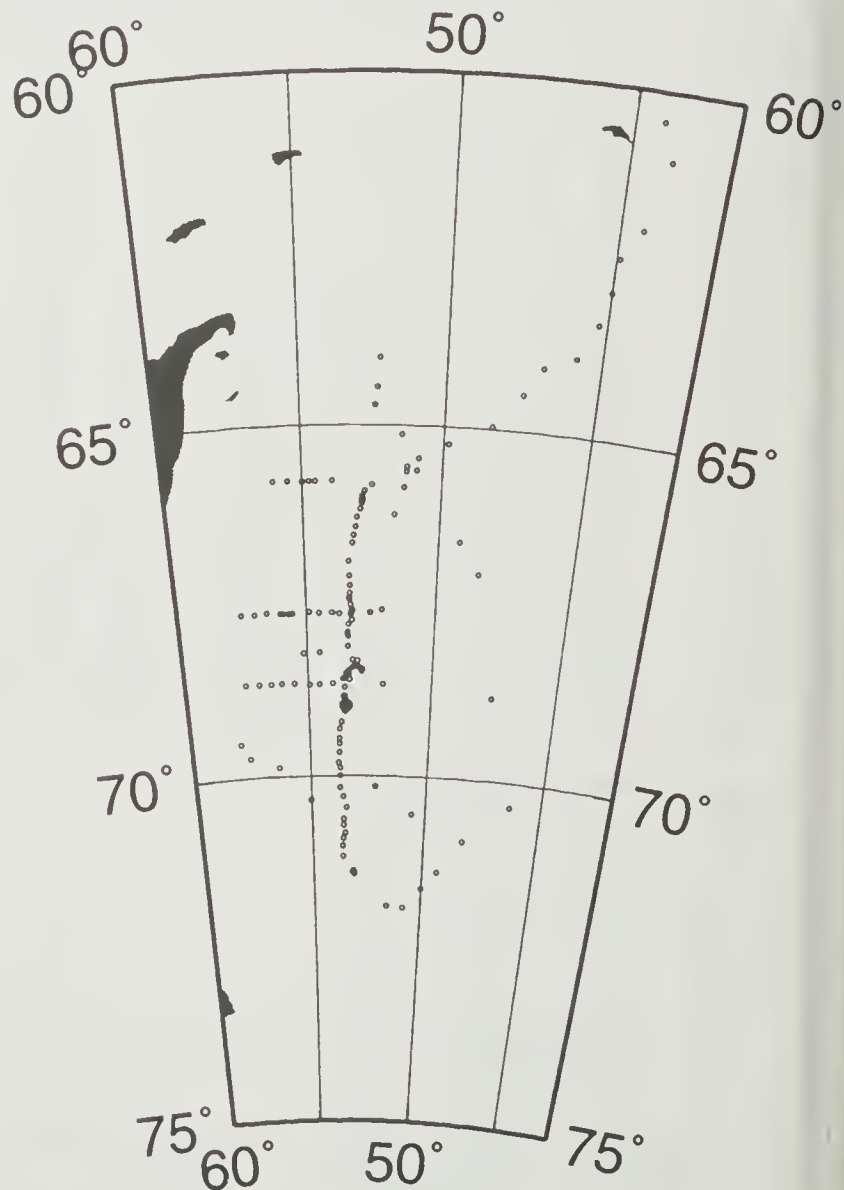
ISW-I -68.9902 -53.4787 92/03/31 91 23:50 CAMP STA# 25

bottom depth = 2693

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.879	-1.879	34.364	27.666	32.438	37.102	0.00	41.7
10	-1.879	-1.879	34.359	27.662	32.434	37.098	-1.13	42.0
20	-1.879	-1.879	34.357	27.660	32.432	37.096	-0.71	42.1
30	-1.879	-1.880	34.357	27.660	32.432	37.096	0.04	42.0
40	-1.877	-1.878	34.361	27.664	32.435	37.099	1.00	41.7
50	-1.852	-1.853	34.392	27.688	32.459	37.122	2.77	39.3
60	-1.807	-1.808	34.432	27.719	32.488	37.150	3.13	36.3
70	-1.803	-1.804	34.442	27.727	32.496	37.157	1.58	35.4
80	-1.803	-1.805	34.444	27.729	32.498	37.159	0.71	35.2
90	-1.766	-1.768	34.449	27.732	32.500	37.160	0.96	34.9
100	-1.789	-1.791	34.453	27.736	32.504	37.165	1.11	34.5
110	-1.755	-1.757	34.454	27.736	32.503	37.163	-0.27	34.4
120	-1.734	-1.737	34.455	27.736	32.503	37.161	0.22	34.4
130	-1.762	-1.765	34.458	27.739	32.507	37.166	1.02	34.0
140	-1.737	-1.740	34.457	27.738	32.504	37.163	-0.71	34.1
150	-1.684	-1.687	34.462	27.740	32.505	37.163	0.85	33.8
160	-1.641	-1.645	34.468	27.744	32.507	37.163	1.03	33.4
170	-1.628	-1.632	34.469	27.745	32.507	37.163	0.34	33.3
180	-1.605	-1.609	34.471	27.746	32.508	37.163	0.51	33.2
190	-1.571	-1.575	34.476	27.749	32.510	37.163	0.94	32.9
200	-1.551	-1.556	34.476	27.748	32.508	37.162	-0.48	32.9
210	-1.510	-1.515	34.481	27.751	32.510	37.162	0.89	32.6
220	-1.460	-1.465	34.485	27.752	32.510	37.160	0.65	32.4
230	-1.266	-1.272	34.494	27.753	32.505	37.149	-0.41	32.4
240	-1.066	-1.073	34.509	27.758	32.503	37.142	1.04	32.1
250	-0.914	-0.921	34.521	27.762	32.502	37.136	0.92	31.8
260	-0.642	-0.650	34.535	27.762	32.494	37.119	-0.82	32.0
270	-0.534	-0.543	34.553	27.772	32.500	37.122	1.67	31.1
280	-0.382	-0.392	34.564	27.774	32.498	37.115	0.44	31.0
290	-0.206	-0.216	34.581	27.779	32.497	37.110	1.07	30.7
300	-0.136	-0.147	34.590	27.783	32.499	37.109	0.99	30.4
325	-0.011	-0.023	34.605	27.789	32.501	37.107	0.75	29.9
350	0.159	0.145	34.624	27.795	32.502	37.103	0.75	29.5
375	0.252	0.237	34.632	27.796	32.501	37.099	0.21	29.5
400	0.311	0.294	34.642	27.801	32.504	37.101	0.72	29.1
425	0.356	0.338	34.646	27.802	32.503	37.099	0.15	29.1
450	0.391	0.372	34.652	27.805	32.505	37.100	0.55	28.9
475	0.431	0.411	34.658	27.807	32.506	37.100	0.50	28.7
500	0.458	0.436	34.662	27.809	32.507	37.100	0.41	28.6
550	0.496	0.472	34.667	27.811	32.508	37.100	0.29	28.5
600	0.522	0.495	34.672	27.814	32.510	37.101	0.37	28.4
650	0.540	0.510	34.675	27.815	32.511	37.102	0.27	28.3
700	0.545	0.513	34.679	27.818	32.514	37.104	0.43	28.1
750	0.522	0.487	34.680	27.821	32.517	37.108	0.42	27.9
800	0.498	0.461	34.680	27.822	32.520	37.111	0.37	27.8
850	0.466	0.426	34.680	27.824	32.523	37.115	0.42	27.6
900	0.435	0.393	34.679	27.825	32.525	37.118	0.36	27.4
950	0.425	0.380	34.680	27.827	32.527	37.121	0.34	27.3
1000	0.402	0.354	34.679	27.827	32.528	37.123	0.30	27.2
1100	0.355	0.302	34.679	27.830	32.533	37.129	0.38	26.9
1200	0.291	0.233	34.676	27.832	32.536	37.135	0.35	26.6
1300	0.235	0.172	34.674	27.834	32.540	37.140	0.36	26.3
1400	0.200	0.131	34.672	27.834	32.542	37.143	0.27	26.1
1500	0.168	0.093	34.674	27.838	32.546	37.149	0.40	25.7
1600	0.122	0.041	34.671	27.838	32.548	37.152	0.29	25.5
1700	0.081	-0.006	34.669	27.839	32.551	37.156	0.32	25.2
1800	0.045	-0.048	34.665	27.838	32.551	37.158	0.19	25.2
1900	0.018	-0.081	34.668	27.843	32.556	37.164	0.43	24.6
2000	-0.012	-0.118	34.664	27.841	32.556	37.164	0.16	24.6
2100	-0.042	-0.154	34.664	27.843	32.559	37.168	0.36	24.2
2200	-0.079	-0.198	34.663	27.844	32.562	37.172	0.36	23.8
2300	-0.134	-0.259	34.659	27.844	32.563	37.176	0.35	23.5
2400	-0.207	-0.338	34.655	27.845	32.566	37.181	0.44	22.9
2500	-0.364	-0.499	34.642	27.842	32.568	37.188	0.53	22.0
2600	-0.649	-0.786	34.622	27.838	32.574	37.202	0.76	20.2
2700	-1.134	-1.269	34.612	27.849	32.599	37.242	1.24	15.5
2730	-1.388	-1.520	34.621	27.865	32.623	37.274	1.93	12.0

PRES	TEMPER	POTEMP	SLINTY	OXYG
12	-1.879	-1.879	34.363	6.971
582	0.505	0.479	34.672	5.098
2730	-1.388	-1.520	34.620	6.815

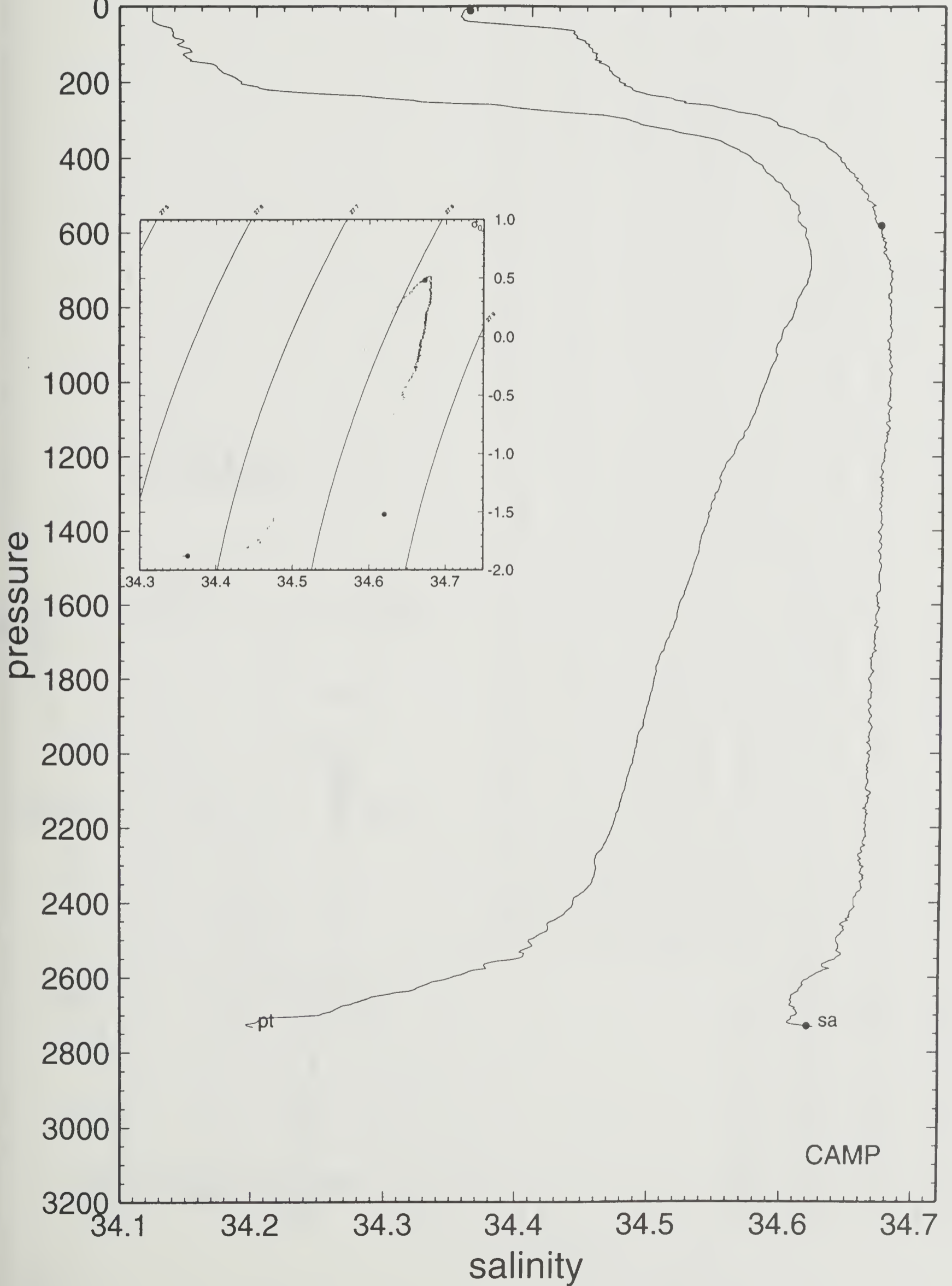
# CAMP 25



25 92/03/31 23:50 68 59.41 S 53 28.72 W CAMP

potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



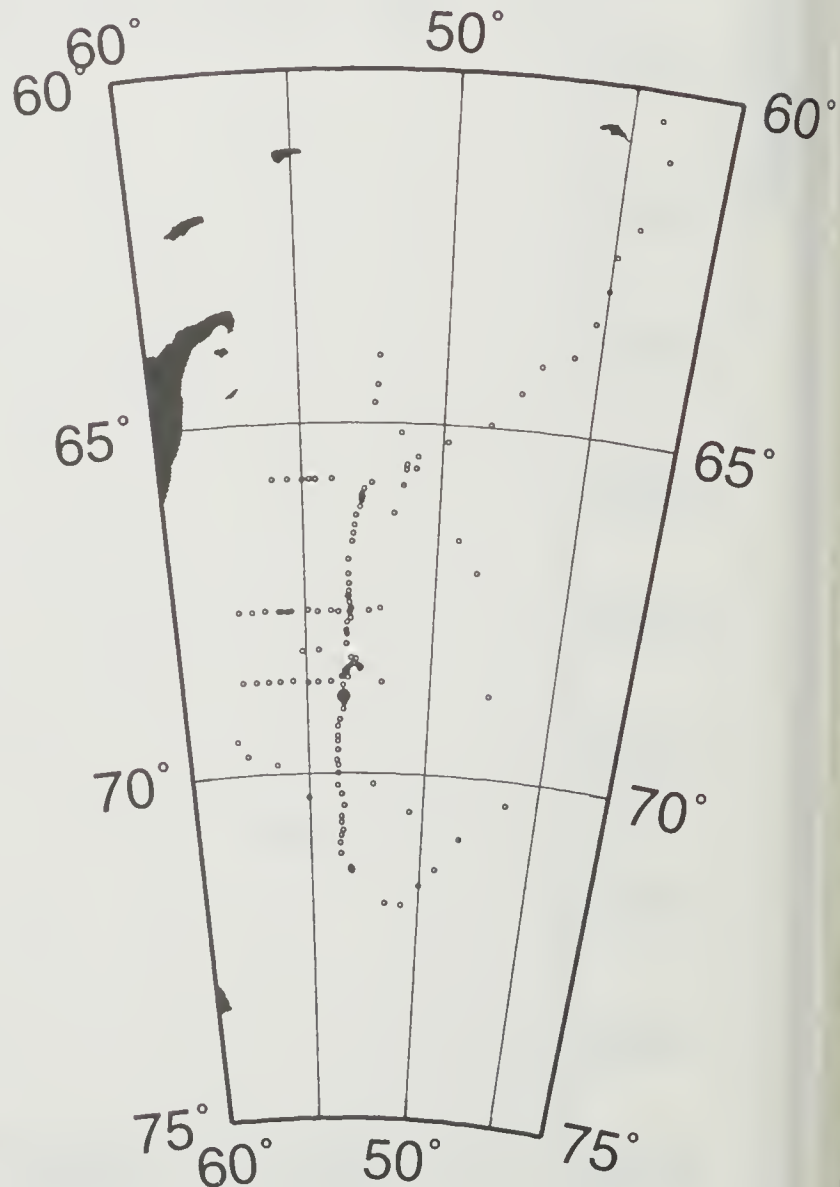
ISW-I -68.8887 -53.5200 92/04/02 95 12:30 CAMP STA# 26

bottom depth = 2671

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.869	-1.869	34.368	27.669	32.440	37.104	0.00	41.4
10	-1.879	-1.879	34.377	27.677	32.448	37.112	1.54	40.6
20	-1.879	-1.879	34.378	27.677	32.449	37.113	0.51	40.5
30	-1.878	-1.879	34.377	27.677	32.448	37.112	-0.51	40.5
40	-1.846	-1.847	34.390	27.686	32.457	37.120	1.74	39.5
50	-1.794	-1.795	34.430	27.717	32.486	37.147	3.12	36.5
60	-1.786	-1.787	34.436	27.722	32.490	37.151	1.21	36.0
70	-1.783	-1.784	34.439	27.725	32.492	37.153	0.86	35.7
80	-1.783	-1.785	34.440	27.725	32.493	37.154	0.51	35.6
90	-1.788	-1.790	34.444	27.729	32.497	37.158	1.03	35.2
100	-1.789	-1.791	34.447	27.731	32.499	37.160	0.88	34.9
110	-1.794	-1.796	34.450	27.734	32.502	37.163	0.90	34.6
120	-1.790	-1.792	34.448	27.732	32.500	37.161	-0.74	34.7
130	-1.778	-1.781	34.452	27.735	32.503	37.163	0.95	34.4
140	-1.779	-1.782	34.450	27.733	32.501	37.162	-0.70	34.5
150	-1.784	-1.787	34.454	27.737	32.505	37.165	1.03	34.1
160	-1.784	-1.787	34.454	27.737	32.505	37.165	0.05	34.0
170	-1.757	-1.761	34.457	27.739	32.506	37.165	0.70	33.8
180	-1.731	-1.735	34.458	27.739	32.505	37.164	-0.12	33.8
190	-1.700	-1.704	34.460	27.739	32.505	37.163	0.42	33.7
200	-1.690	-1.694	34.462	27.741	32.506	37.163	0.63	33.5
210	-1.664	-1.669	34.466	27.743	32.507	37.164	0.85	33.2
220	-1.619	-1.624	34.468	27.744	32.506	37.162	0.04	33.2
230	-1.474	-1.480	34.472	27.742	32.500	37.151	-0.83	33.3
240	-1.300	-1.306	34.486	27.748	32.501	37.146	1.16	32.9
250	-1.028	-1.035	34.493	27.744	32.488	37.125	-1.40	33.4
260	-0.991	-0.998	34.511	27.757	32.500	37.136	2.00	32.2
270	-0.847	-0.855	34.519	27.758	32.496	37.128	-0.36	32.2
280	-0.741	-0.750	34.528	27.761	32.496	37.124	0.79	32.0
290	-0.579	-0.588	34.542	27.765	32.495	37.119	0.95	31.7
300	-0.470	-0.480	34.551	27.767	32.494	37.114	0.66	31.5
325	-0.295	-0.307	34.573	27.777	32.498	37.113	0.99	30.7
350	0.058	0.044	34.605	27.785	32.495	37.100	0.73	30.3
375	0.167	0.152	34.621	27.792	32.499	37.100	0.86	29.8
400	0.180	0.164	34.628	27.797	32.504	37.104	0.78	29.3
425	0.275	0.257	34.635	27.798	32.501	37.099	-0.30	29.4
450	0.325	0.306	34.648	27.805	32.508	37.104	0.94	28.7
475	0.393	0.373	34.655	27.807	32.507	37.102	0.33	28.7
500	0.442	0.420	34.660	27.808	32.507	37.100	0.26	28.7
550	0.475	0.451	34.666	27.811	32.509	37.101	0.40	28.5
600	0.525	0.498	34.672	27.813	32.510	37.101	0.27	28.4
650	0.546	0.516	34.678	27.817	32.513	37.103	0.46	28.2
700	0.546	0.514	34.681	27.820	32.516	37.106	0.40	28.0
750	0.541	0.506	34.684	27.823	32.519	37.109	0.43	27.8
800	0.523	0.486	34.683	27.823	32.520	37.111	0.24	27.7
850	0.505	0.465	34.683	27.824	32.522	37.113	0.33	27.6
900	0.490	0.447	34.685	27.827	32.525	37.117	0.44	27.4
950	0.458	0.413	34.683	27.827	32.526	37.119	0.29	27.3
1000	0.427	0.379	34.682	27.828	32.528	37.122	0.36	27.2
1100	0.375	0.322	34.681	27.831	32.532	37.128	0.37	26.9
1200	0.325	0.267	34.679	27.833	32.536	37.133	0.33	26.7
1300	0.278	0.214	34.678	27.835	32.539	37.138	0.36	26.4
1400	0.216	0.147	34.674	27.835	32.542	37.143	0.32	26.1
1500	0.170	0.095	34.674	27.838	32.546	37.149	0.40	25.7
1600	0.136	0.055	34.671	27.838	32.547	37.151	0.22	25.6
1700	0.101	0.014	34.672	27.841	32.551	37.156	0.39	25.2
1800	0.061	-0.032	34.667	27.839	32.551	37.157	0.16	25.2
1900	0.020	-0.079	34.668	27.842	32.556	37.163	0.43	24.7
2000	-0.027	-0.132	34.665	27.843	32.558	37.167	0.33	24.4
2100	-0.055	-0.167	34.665	27.844	32.561	37.171	0.35	24.0
2200	-0.100	-0.218	34.660	27.843	32.561	37.172	0.24	23.8
2300	-0.158	-0.283	34.658	27.845	32.564	37.178	0.43	23.3
2400	-0.306	-0.435	34.646	27.842	32.567	37.185	0.51	22.5
2500	-0.576	-0.707	34.626	27.838	32.571	37.197	0.71	20.9
2600	-0.960	-1.091	34.609	27.840	32.585	37.223	0.99	17.8
2700	-1.458	-1.586	34.637	27.880	32.640	37.292	1.56	10.3
2705	-1.465	-1.593	34.644	27.886	32.646	37.299	1.98	9.7

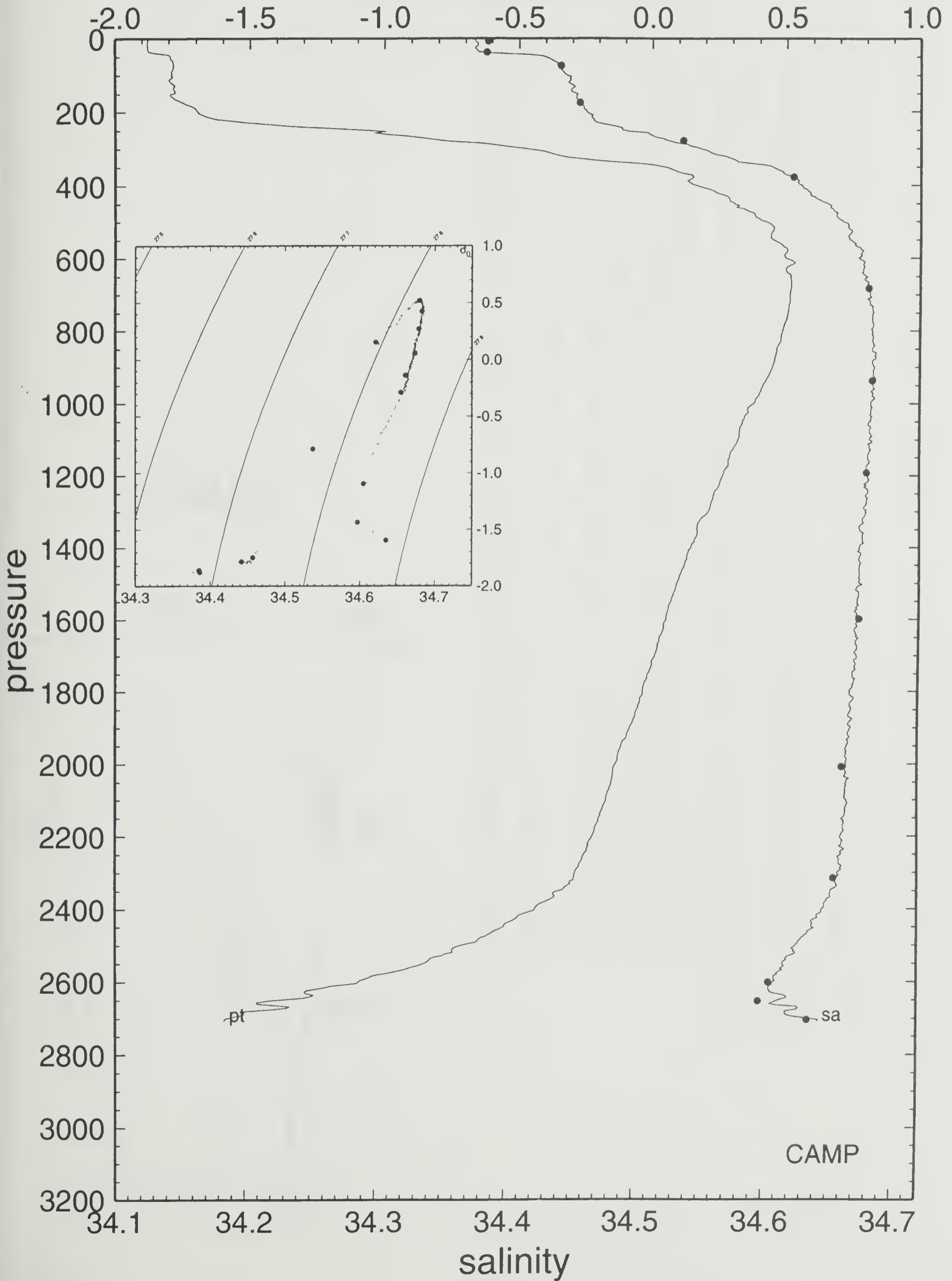
PRES	TEMPER	POTEMP	SLINTY	OXYG
8	-1.879	-1.879	34.386	6.916
38	-1.859	-1.860	34.385	6.850
74	-1.783	-1.784	34.442	6.891
175	-1.744	-1.748	34.457	6.765
277	-0.780	-0.789	34.537	5.799
378	0.168	0.153	34.622	5.223
683	0.548	0.517	34.680	5.172
937	0.469	0.424	34.683	5.011
1192	0.328	0.270	34.679	5.248
1599	0.136	0.055	34.674	5.257
2008	-0.033	-0.139	34.661	5.594
2315	-0.163	-0.289	34.655	5.686
2602	-0.963	-1.094	34.605	6.636
2653	-1.307	-1.435	34.597	7.085
2704	-1.465	-1.593	34.635	7.885

# CAMP 26



26 92/04/02 12:30 68 53.32 S 53 31.20 W CAMP

# potential temperature



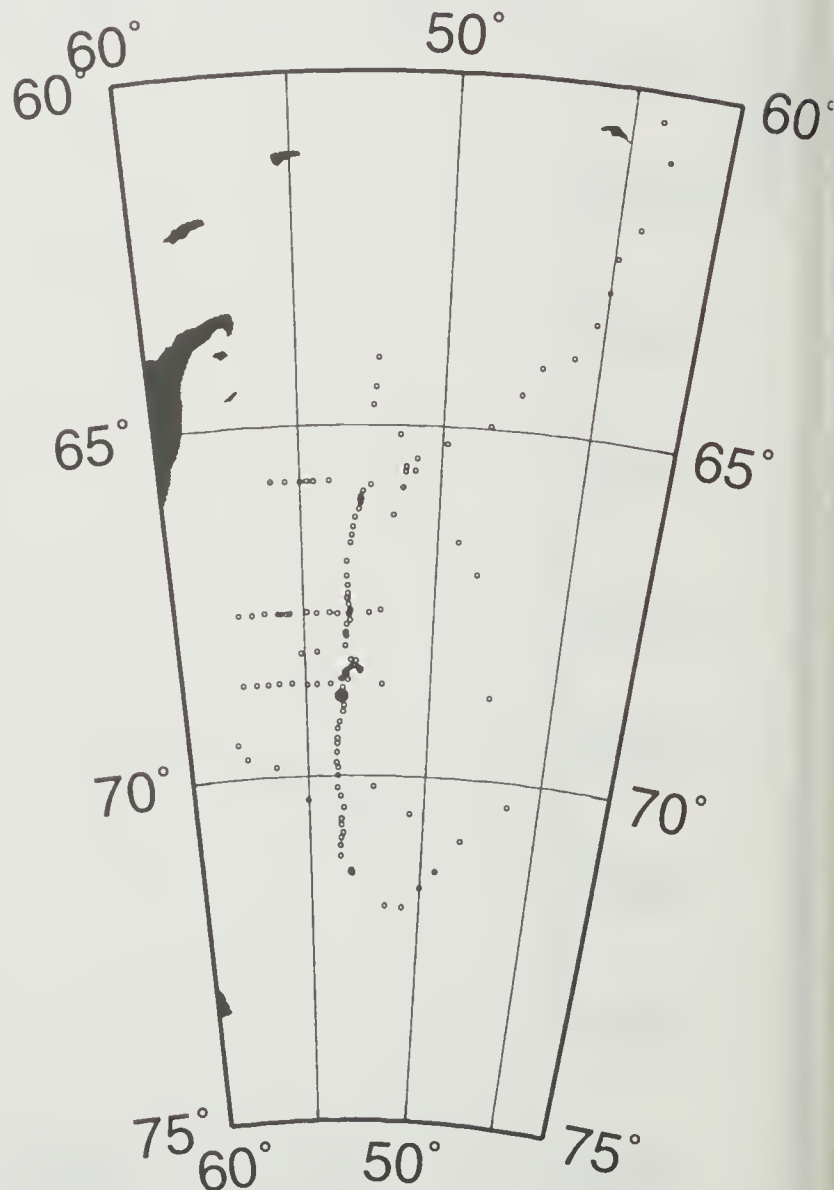
ISW-I -68.8572 -53.5677 92/04/04 95 16:35 CAMP STA# 27

bottom depth = 2659

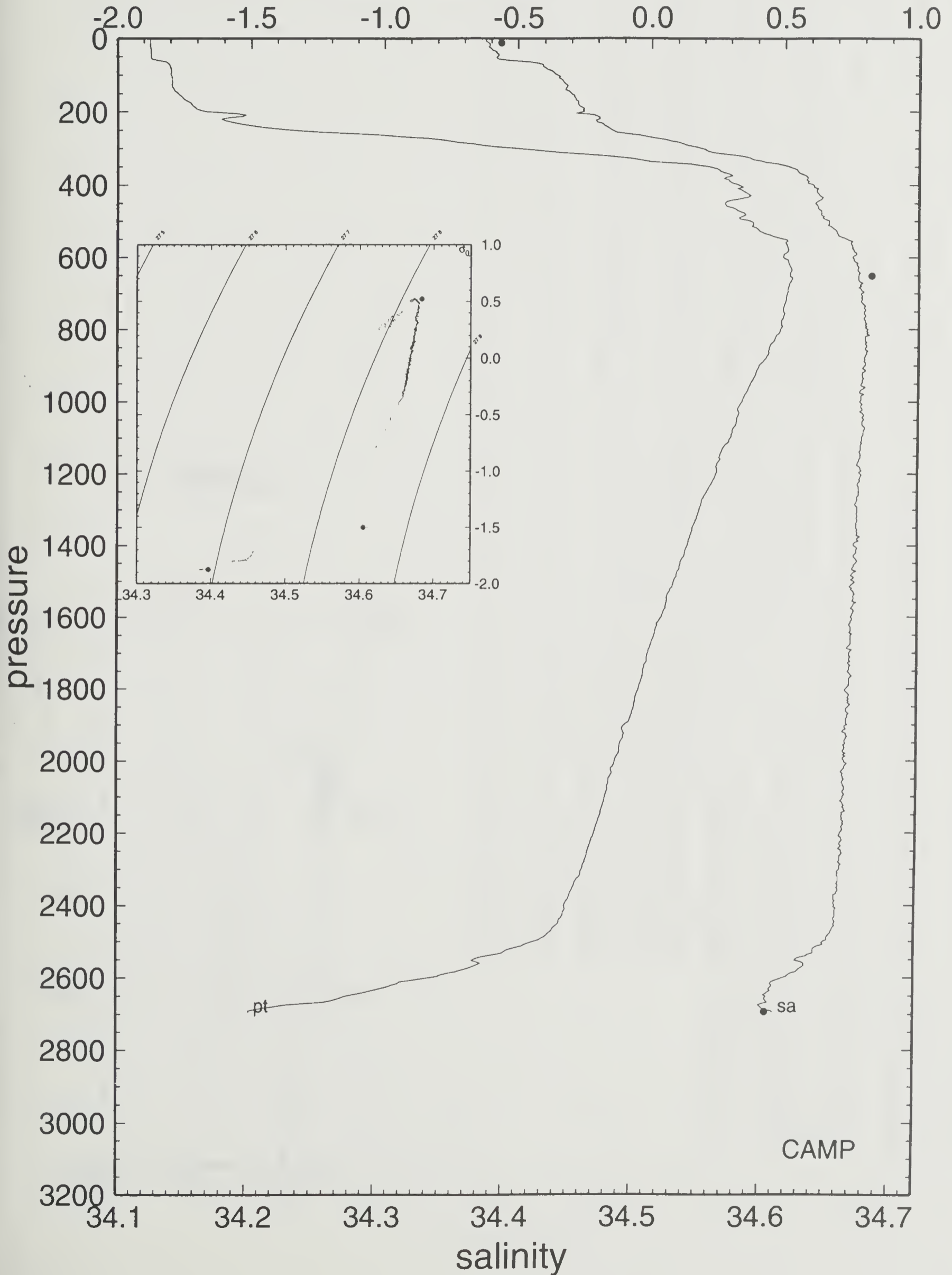
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.875	-1.875	34.386	27.684	32.455	37.119	0.00	40.0
10	-1.877	-1.877	34.386	27.684	32.455	37.119	0.13	39.9
20	-1.877	-1.877	34.388	27.685	32.457	37.121	0.71	39.7
30	-1.873	-1.874	34.389	27.686	32.457	37.121	0.47	39.6
40	-1.873	-1.874	34.393	27.689	32.461	37.124	1.01	39.2
50	-1.872	-1.873	34.394	27.690	32.461	37.125	0.50	39.1
60	-1.848	-1.849	34.402	27.696	32.467	37.129	1.35	38.5
70	-1.806	-1.807	34.427	27.715	32.484	37.146	2.45	36.6
80	-1.799	-1.801	34.431	27.718	32.487	37.148	0.98	36.2
90	-1.796	-1.798	34.436	27.722	32.491	37.152	1.12	35.8
100	-1.797	-1.799	34.440	27.726	32.494	37.155	1.01	35.4
110	-1.792	-1.794	34.442	27.727	32.495	37.156	0.68	35.2
120	-1.791	-1.793	34.445	27.730	32.498	37.159	0.87	34.9
130	-1.793	-1.796	34.448	27.732	32.500	37.161	0.89	34.7
140	-1.784	-1.787	34.446	27.730	32.498	37.159	-0.77	34.8
150	-1.770	-1.773	34.451	27.734	32.501	37.162	1.06	34.4
160	-1.754	-1.757	34.453	27.735	32.502	37.162	0.59	34.2
170	-1.737	-1.741	34.455	27.736	32.503	37.162	0.58	34.1
180	-1.717	-1.721	34.456	27.737	32.502	37.161	0.21	34.0
190	-1.703	-1.707	34.460	27.739	32.505	37.163	0.93	33.7
200	-1.664	-1.668	34.461	27.739	32.503	37.160	-0.41	33.7
210	-1.521	-1.526	34.469	27.741	32.501	37.153	0.63	33.5
220	-1.607	-1.612	34.473	27.747	32.509	37.164	1.42	32.8
230	-1.553	-1.558	34.473	27.746	32.506	37.159	-0.79	33.0
240	-1.474	-1.480	34.478	27.747	32.505	37.156	0.56	32.8
250	-1.336	-1.342	34.483	27.747	32.500	37.147	-0.69	32.9
260	-1.119	-1.126	34.494	27.748	32.495	37.135	-0.38	32.9
270	-0.874	-0.882	34.514	27.755	32.494	37.127	1.22	32.4
280	-0.747	-0.756	34.528	27.761	32.496	37.125	1.25	31.9
290	-0.641	-0.650	34.539	27.765	32.497	37.123	1.04	31.6
300	-0.515	-0.525	34.551	27.770	32.497	37.119	0.96	31.3
325	-0.102	-0.114	34.586	27.778	32.493	37.102	0.75	30.8
350	0.212	0.198	34.617	27.786	32.492	37.092	0.80	30.4
375	0.315	0.300	34.632	27.793	32.495	37.092	0.81	29.9
400	0.338	0.321	34.638	27.796	32.498	37.094	0.64	29.6
425	0.377	0.359	34.642	27.797	32.498	37.093	0.27	29.5
450	0.298	0.279	34.640	27.800	32.503	37.101	0.71	29.2
475	0.351	0.331	34.645	27.801	32.503	37.099	0.21	29.2
500	0.384	0.363	34.651	27.804	32.505	37.100	0.56	28.9
550	0.520	0.496	34.665	27.808	32.504	37.095	0.29	28.9
600	0.521	0.494	34.669	27.811	32.508	37.099	0.46	28.6
650	0.550	0.520	34.674	27.814	32.509	37.100	0.35	28.5
700	0.542	0.510	34.676	27.816	32.512	37.102	0.39	28.3
750	0.530	0.495	34.679	27.819	32.516	37.106	0.47	28.1
800	0.523	0.486	34.681	27.821	32.518	37.109	0.39	27.9
850	0.484	0.444	34.680	27.823	32.521	37.113	0.41	27.7
900	0.449	0.407	34.679	27.824	32.523	37.117	0.38	27.5
950	0.420	0.375	34.676	27.824	32.524	37.118	0.14	27.6
1000	0.391	0.344	34.675	27.825	32.526	37.121	0.35	27.4
1100	0.355	0.302	34.677	27.829	32.531	37.127	0.40	27.0
1200	0.306	0.248	34.676	27.831	32.535	37.133	0.36	26.7
1300	0.248	0.184	34.674	27.833	32.539	37.138	0.37	26.4
1400	0.210	0.141	34.671	27.833	32.540	37.141	0.23	26.3
1500	0.165	0.090	34.671	27.836	32.544	37.147	0.39	25.9
1600	0.125	0.044	34.669	27.837	32.547	37.150	0.30	25.7
1700	0.081	-0.006	34.668	27.839	32.550	37.155	0.37	25.3
1800	0.053	-0.040	34.666	27.839	32.551	37.157	0.25	25.2
1900	0.007	-0.092	34.667	27.842	32.556	37.164	0.44	24.6
2000	-0.021	-0.126	34.665	27.842	32.557	37.166	0.26	24.4
2100	-0.051	-0.163	34.664	27.843	32.560	37.169	0.32	24.1
2200	-0.084	-0.203	34.662	27.844	32.561	37.172	0.30	23.9
2300	-0.124	-0.249	34.662	27.846	32.565	37.177	0.41	23.4
2400	-0.181	-0.313	34.659	27.847	32.567	37.182	0.40	22.9
2500	-0.290	-0.427	34.650	27.845	32.569	37.187	0.46	22.3
2600	-0.683	-0.820	34.619	27.837	32.574	37.203	0.84	20.1
2695	-1.372	-1.501	34.611	27.856	32.613	37.264	1.55	13.1

PRES	TEMPER	POTEMP	SLINTY	OXYG
12	-1.877	-1.877	34.397	7.035
651	0.551	0.521	34.684	4.728
2694	-1.372	-1.501	34.605	6.713

# CAMP 27



potential temperature



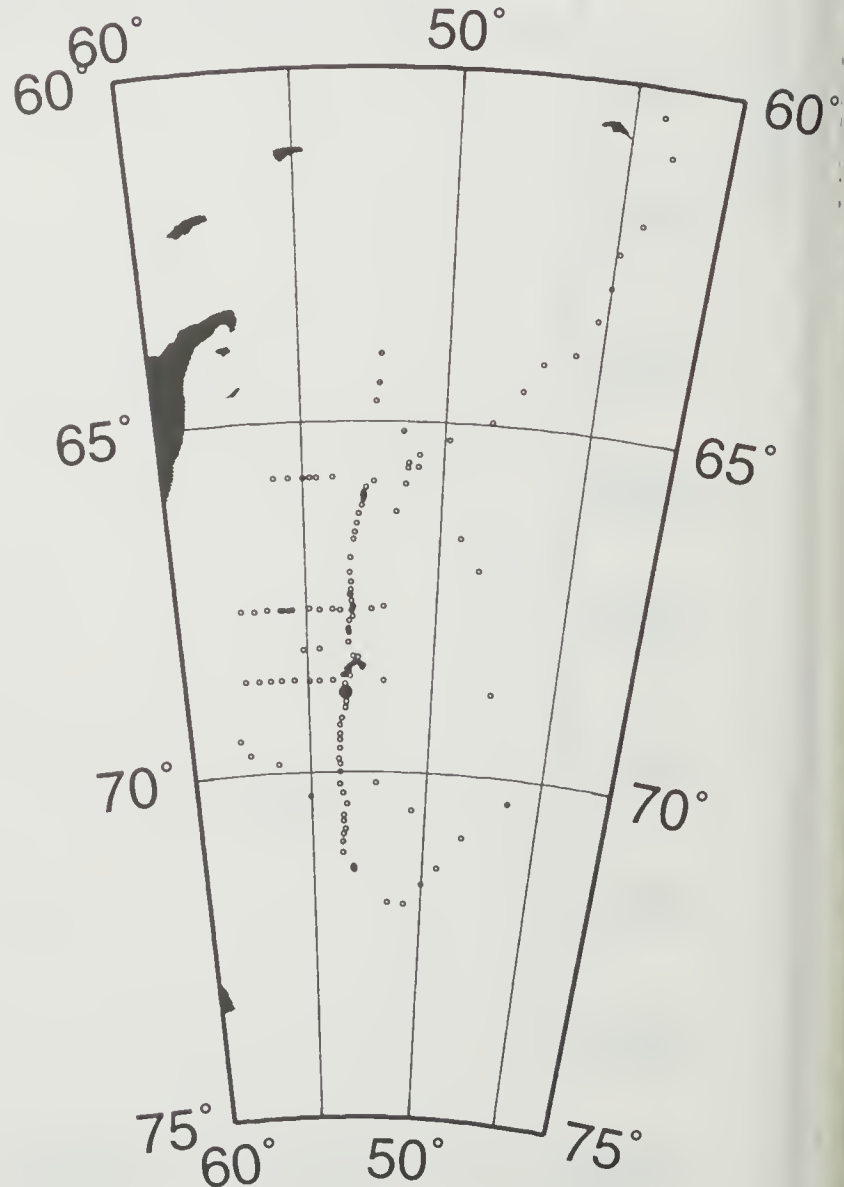
ISW-I -68.8535 -53.5098 92/04/06 97 16:20 CAMP STA# 28

bottom depth = 2676

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.862	-1.862	34.315	27.626	32.397	37.061	0.00	45.5
10	-1.871	-1.871	34.319	27.629	32.401	37.065	1.05	45.1
20	-1.829	-1.829	34.352	27.655	32.425	37.088	2.84	42.6
30	-1.764	-1.765	34.427	27.714	32.482	37.142	4.30	36.9
40	-1.754	-1.755	34.446	27.729	32.496	37.156	2.18	35.4
50	-1.753	-1.754	34.450	27.733	32.500	37.159	1.01	35.1
60	-1.753	-1.754	34.453	27.735	32.502	37.162	0.87	34.8
70	-1.751	-1.752	34.457	27.738	32.505	37.165	1.00	34.4
80	-1.749	-1.751	34.457	27.738	32.505	37.164	-0.13	34.4
90	-1.744	-1.746	34.458	27.739	32.505	37.165	0.46	34.3
100	-1.743	-1.745	34.461	27.741	32.508	37.167	0.87	34.0
110	-1.740	-1.742	34.461	27.741	32.508	37.167	-0.16	33.9
120	-1.732	-1.735	34.463	27.743	32.509	37.168	0.66	33.7
130	-1.724	-1.727	34.464	27.743	32.509	37.168	0.42	33.6
140	-1.722	-1.725	34.462	27.742	32.507	37.166	-0.73	33.7
150	-1.704	-1.707	34.468	27.746	32.511	37.169	1.16	33.3
160	-1.687	-1.690	34.470	27.747	32.512	37.169	0.58	33.1
170	-1.661	-1.665	34.473	27.749	32.513	37.169	0.70	32.9
180	-1.631	-1.635	34.473	27.748	32.511	37.167	-0.57	33.0
190	-1.591	-1.595	34.479	27.752	32.513	37.168	1.04	32.6
200	-1.556	-1.561	34.482	27.753	32.514	37.167	0.60	32.4
210	-1.495	-1.500	34.488	27.756	32.515	37.166	0.90	32.1
220	-1.370	-1.376	34.498	27.760	32.515	37.162	1.00	31.8
230	-1.188	-1.194	34.507	27.761	32.510	37.152	-0.29	31.8
240	-1.040	-1.047	34.524	27.769	32.514	37.151	1.50	31.0
250	-0.906	-0.913	34.534	27.772	32.512	37.146	0.76	30.8
260	-0.671	-0.679	34.547	27.773	32.506	37.132	-0.58	30.9
270	-0.502	-0.511	34.562	27.778	32.505	37.126	1.01	30.6
280	-0.364	-0.374	34.578	27.784	32.507	37.124	1.29	30.1
290	-0.167	-0.178	34.592	27.786	32.503	37.114	-0.07	30.1
300	-0.042	-0.053	34.602	27.788	32.501	37.108	0.43	30.0
325	0.157	0.144	34.625	27.796	32.503	37.104	0.87	29.4
350	0.271	0.257	34.637	27.799	32.503	37.101	0.53	29.2
375	0.344	0.328	34.643	27.800	32.502	37.097	-0.06	29.2
400	0.378	0.361	34.651	27.805	32.505	37.100	0.72	28.8
425	0.442	0.424	34.656	27.805	32.504	37.097	-0.22	28.9
450	0.486	0.466	34.663	27.808	32.505	37.097	0.56	28.7
475	0.516	0.495	34.669	27.811	32.508	37.099	0.58	28.5
500	0.524	0.502	34.672	27.813	32.509	37.100	0.49	28.3
550	0.546	0.521	34.676	27.815	32.511	37.101	0.33	28.2
600	0.547	0.520	34.676	27.815	32.511	37.101	0.09	28.3
650	0.539	0.509	34.681	27.820	32.516	37.106	0.55	27.9
700	0.517	0.485	34.682	27.822	32.519	37.110	0.41	27.7
750	0.486	0.451	34.681	27.823	32.521	37.113	0.34	27.6
800	0.454	0.417	34.681	27.825	32.524	37.117	0.42	27.4
850	0.419	0.380	34.679	27.826	32.526	37.120	0.31	27.3
900	0.393	0.351	34.678	27.827	32.528	37.122	0.31	27.2
950	0.359	0.315	34.678	27.829	32.531	37.127	0.44	26.9
1000	0.331	0.284	34.676	27.829	32.532	37.129	0.25	26.9
1100	0.281	0.229	34.675	27.831	32.536	37.134	0.35	26.6
1200	0.242	0.184	34.675	27.834	32.540	37.139	0.35	26.3
1300	0.187	0.124	34.674	27.836	32.544	37.145	0.38	25.9
1400	0.141	0.073	34.671	27.837	32.546	37.149	0.28	25.7
1500	0.104	0.030	34.672	27.840	32.550	37.154	0.39	25.3
1600	0.061	-0.019	34.670	27.841	32.553	37.158	0.32	25.0
1700	0.024	-0.062	34.669	27.842	32.555	37.162	0.33	24.7
1800	-0.010	-0.102	34.667	27.843	32.557	37.165	0.28	24.5
1900	-0.040	-0.138	34.666	27.844	32.559	37.168	0.31	24.2
2000	-0.067	-0.172	34.665	27.845	32.561	37.171	0.30	24.0
2100	-0.091	-0.202	34.664	27.845	32.563	37.174	0.28	23.7
2200	-0.118	-0.236	34.663	27.846	32.565	37.177	0.31	23.4
2300	-0.146	-0.271	34.662	27.847	32.567	37.180	0.32	23.1
2400	-0.187	-0.318	34.659	27.847	32.568	37.182	0.32	22.8
2500	-0.302	-0.439	34.649	27.845	32.569	37.187	0.45	22.2
2600	-0.547	-0.686	34.636	27.845	32.578	37.203	0.78	20.3
2700	-1.283	-1.415	34.601	27.845	32.600	37.248	1.35	14.7
2720	-1.358	-1.489	34.611	27.856	32.613	37.263	1.60	13.1

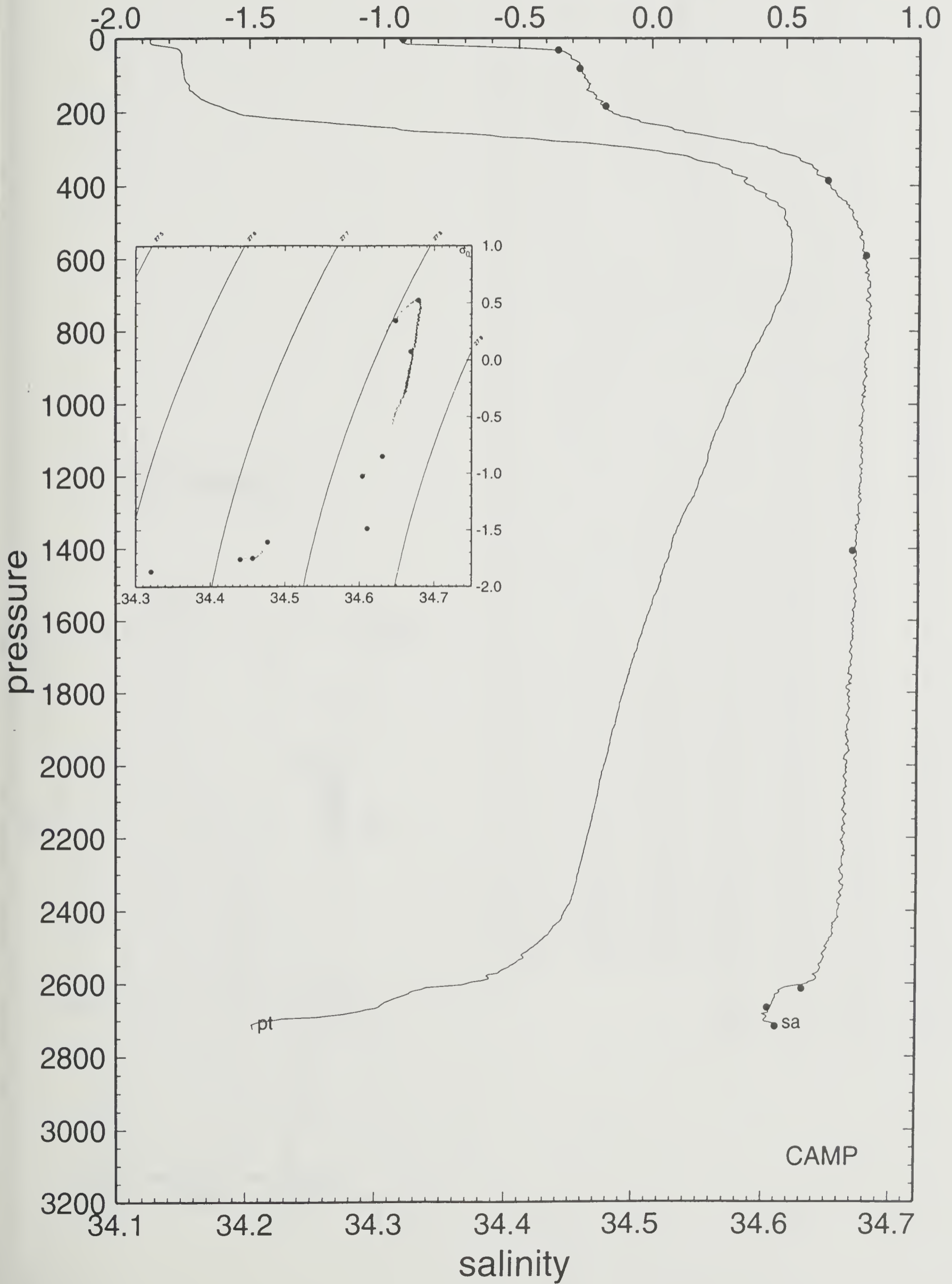
PRES	TEMPER	POTEMP	SLINTY	OXYG
2	-1.866	-1.866	34.321	6.917
33	-1.759	-1.760	34.440	6.628
83	-1.747	-1.749	34.457	6.628
185	-1.603	-1.607	34.477	6.398
388	0.357	0.341	34.649	4.928
592	0.546	0.519	34.679	4.744
1407	0.139	0.070	34.669	4.998
2615	-0.715	-0.852	34.631	5.797
2667	-0.890	-1.027	34.604	6.202
2718	-1.359	-1.490	34.610	6.463

# CAMP 28





### potential temperature

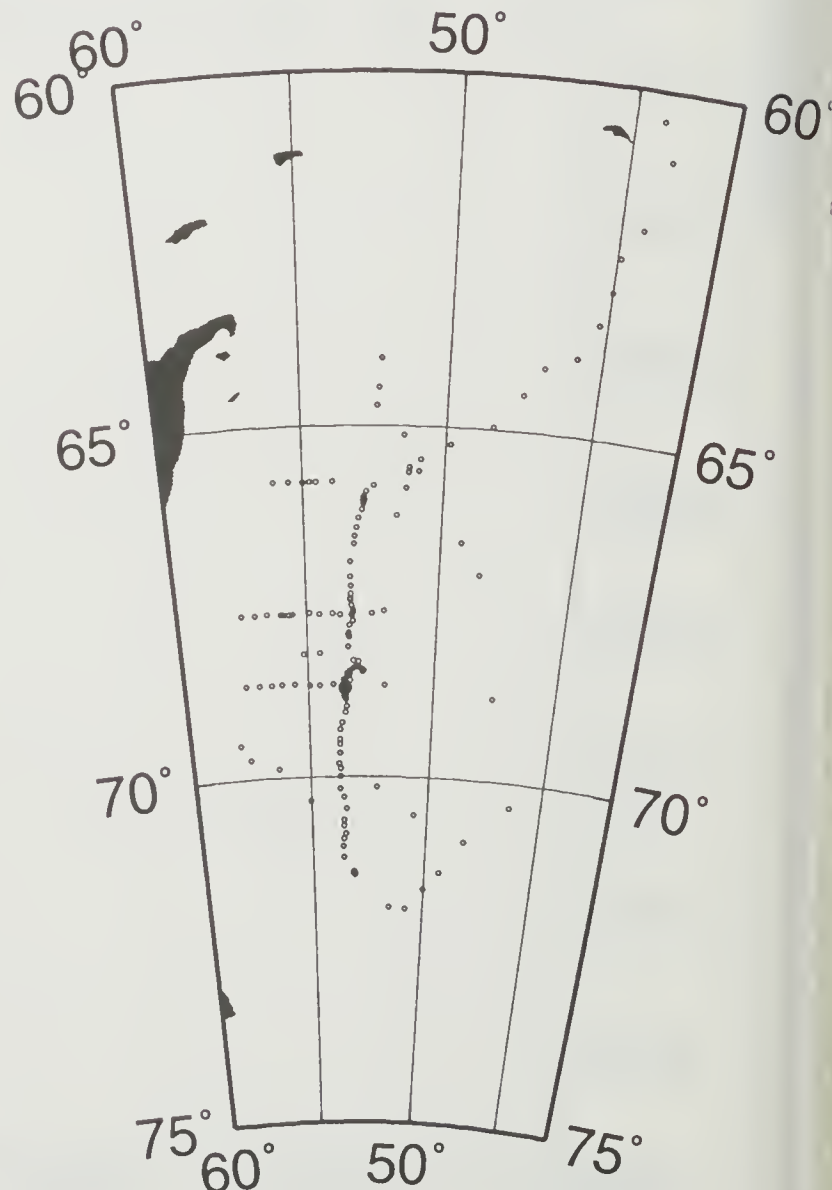


bottom depth = 2678

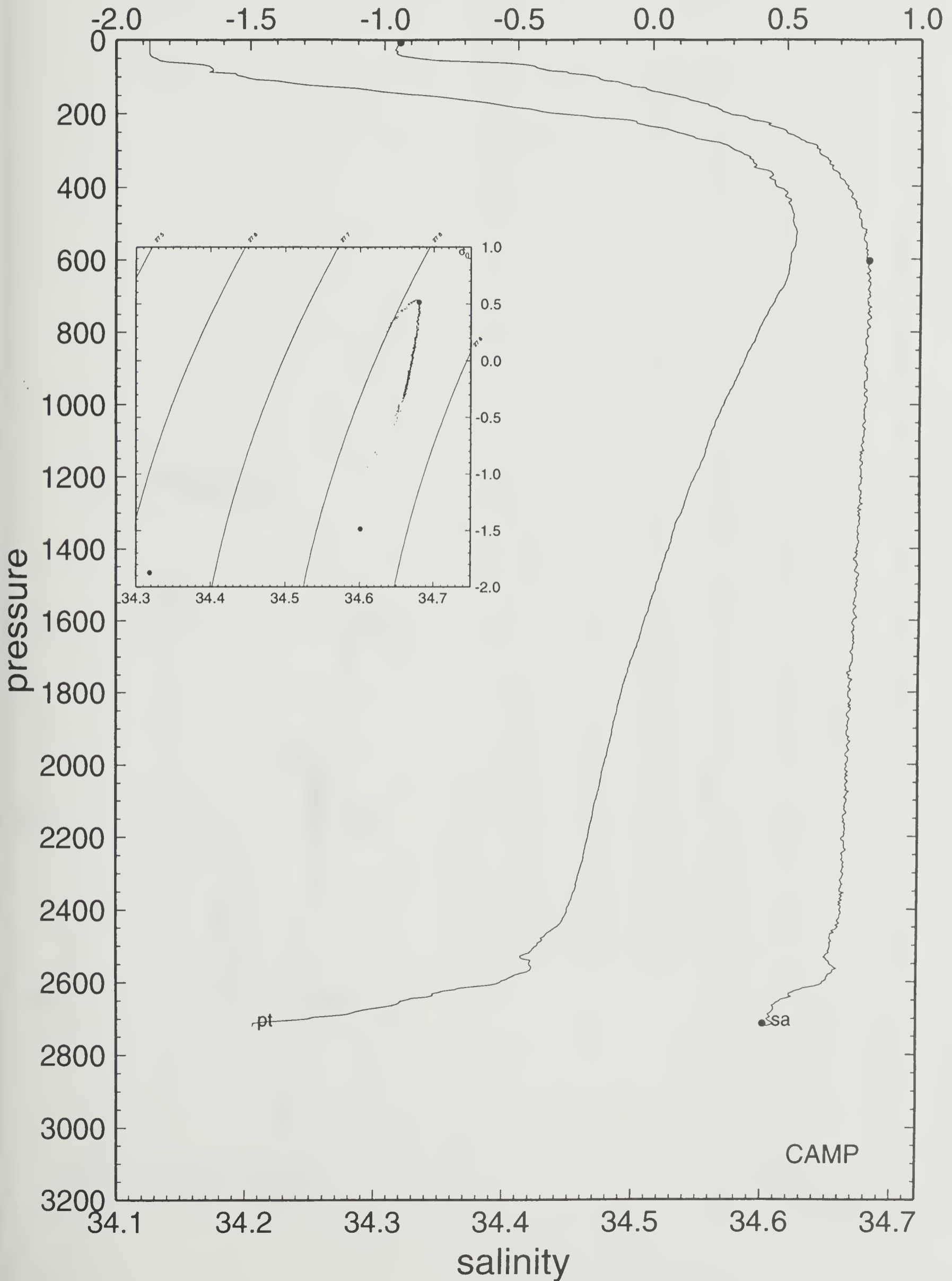
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.869	-1.869	34.321	27.631	32.402	37.067	0.00	45.0
10	-1.875	-1.875	34.318	27.628	32.400	37.065	-0.85	45.2
20	-1.875	-1.875	34.316	27.627	32.399	37.063	-0.71	45.3
30	-1.874	-1.875	34.316	27.627	32.399	37.063	-0.08	45.2
40	-1.873	-1.874	34.317	27.628	32.400	37.064	0.50	45.1
50	-1.853	-1.854	34.330	27.638	32.409	37.073	1.77	44.0
60	-1.805	-1.806	34.370	27.669	32.438	37.100	3.12	41.0
70	-1.662	-1.663	34.419	27.705	32.469	37.126	3.34	37.6
80	-1.637	-1.639	34.429	27.712	32.476	37.132	1.52	36.9
90	-1.602	-1.604	34.447	27.726	32.488	37.143	2.05	35.5
100	-1.521	-1.523	34.468	27.740	32.500	37.152	2.12	34.1
110	-1.439	-1.442	34.473	27.742	32.499	37.149	0.61	34.0
120	-1.321	-1.324	34.490	27.752	32.505	37.151	1.72	33.0
130	-1.148	-1.151	34.501	27.755	32.502	37.143	0.82	32.8
140	-1.011	-1.015	34.512	27.758	32.502	37.138	1.00	32.4
150	-0.869	-0.873	34.526	27.764	32.503	37.135	1.26	31.9
160	-0.744	-0.749	34.539	27.770	32.504	37.133	1.22	31.4
170	-0.630	-0.635	34.549	27.773	32.504	37.129	0.90	31.2
180	-0.549	-0.555	34.556	27.775	32.504	37.126	0.72	31.0
190	-0.441	-0.447	34.565	27.777	32.503	37.122	0.74	30.8
200	-0.377	-0.384	34.571	27.779	32.503	37.120	0.68	30.7
210	-0.233	-0.240	34.584	27.783	32.502	37.115	0.91	30.4
220	-0.081	-0.089	34.591	27.781	32.495	37.104	-0.97	30.7
230	-0.041	-0.049	34.603	27.788	32.502	37.109	1.52	30.0
240	0.033	0.024	34.609	27.789	32.500	37.105	0.37	29.9
250	0.090	0.080	34.616	27.792	32.501	37.104	0.83	29.7
260	0.140	0.130	34.621	27.793	32.501	37.103	0.55	29.6
270	0.183	0.172	34.626	27.795	32.501	37.102	0.65	29.5
280	0.260	0.249	34.631	27.795	32.499	37.097	-0.52	29.6
290	0.294	0.282	34.639	27.799	32.502	37.100	1.15	29.2
300	0.314	0.302	34.642	27.801	32.503	37.100	0.59	29.1
325	0.376	0.363	34.648	27.802	32.503	37.097	0.31	29.0
350	0.397	0.382	34.651	27.803	32.503	37.098	0.36	28.9
375	0.451	0.435	34.657	27.805	32.503	37.096	0.38	28.9
400	0.475	0.458	34.664	27.809	32.507	37.099	0.71	28.5
425	0.512	0.494	34.667	27.810	32.506	37.097	-0.14	28.5
450	0.530	0.510	34.669	27.810	32.506	37.097	0.22	28.5
475	0.545	0.524	34.672	27.812	32.508	37.098	0.42	28.4
500	0.545	0.523	34.674	27.814	32.509	37.099	0.46	28.3
550	0.558	0.533	34.676	27.815	32.510	37.100	0.23	28.3
600	0.541	0.514	34.678	27.817	32.513	37.103	0.44	28.1
650	0.530	0.500	34.681	27.821	32.517	37.107	0.46	27.8
700	0.495	0.463	34.681	27.823	32.520	37.112	0.43	27.6
750	0.464	0.430	34.680	27.824	32.522	37.115	0.34	27.5
800	0.432	0.395	34.679	27.825	32.525	37.118	0.35	27.3
850	0.401	0.362	34.679	27.827	32.527	37.122	0.41	27.1
900	0.374	0.332	34.679	27.829	32.530	37.125	0.39	26.9
950	0.345	0.301	34.677	27.829	32.531	37.128	0.26	26.9
1000	0.315	0.268	34.677	27.831	32.534	37.131	0.42	26.7
1100	0.264	0.212	34.676	27.833	32.538	37.137	0.36	26.4
1200	0.218	0.161	34.674	27.834	32.541	37.141	0.31	26.1
1300	0.173	0.110	34.673	27.836	32.544	37.146	0.35	25.8
1400	0.131	0.063	34.671	27.837	32.547	37.150	0.30	25.6
1500	0.090	0.016	34.671	27.840	32.550	37.155	0.37	25.2
1600	0.053	-0.027	34.669	27.840	32.552	37.158	0.29	25.0
1700	0.017	-0.069	34.669	27.843	32.556	37.163	0.36	24.6
1800	-0.018	-0.110	34.666	27.842	32.557	37.165	0.24	24.5
1900	-0.045	-0.143	34.666	27.844	32.560	37.169	0.33	24.2
2000	-0.070	-0.175	34.664	27.844	32.560	37.171	0.24	24.0
2100	-0.095	-0.206	34.665	27.846	32.564	37.175	0.37	23.6
2200	-0.117	-0.235	34.663	27.846	32.565	37.177	0.23	23.5
2300	-0.144	-0.269	34.662	27.847	32.566	37.179	0.31	23.2
2400	-0.181	-0.313	34.660	27.848	32.568	37.183	0.33	22.8
2500	-0.284	-0.421	34.653	27.847	32.571	37.189	0.48	22.1
2600	-0.415	-0.557	34.647	27.849	32.577	37.198	0.61	21.0
2700	-1.149	-1.283	34.604	27.843	32.594	37.238	1.28	15.9
2720	-1.357	-1.488	34.604	27.850	32.607	37.257	1.92	13.6

PRES	TEMPER	POTEMP	SLINTY	OXYG
7	-1.875	-1.875	34.319	6.861
605	0.541	0.514	34.680	4.702
2713	-1.355	-1.486	34.601	6.627

# CAMP 29



### potential temperature



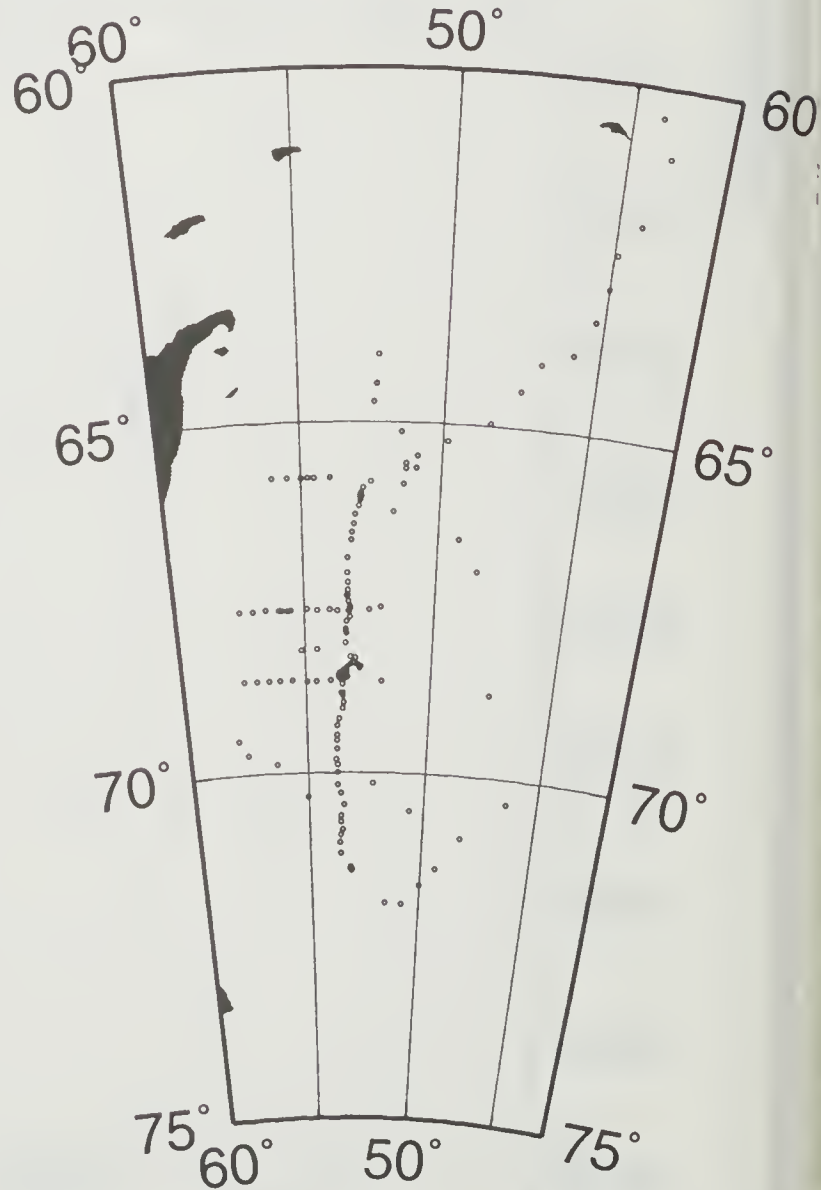
ISW-I -68.6092 -53.5197 92/04/09 100 12:20 CAMP STA# 30

bottom depth = 2681

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.874	-1.874	34.317	27.628	32.400	37.064	0.00	45.3
10	-1.878	-1.878	34.322	27.632	32.404	37.068	1.14	44.8
20	-1.878	-1.878	34.322	27.632	32.404	37.068	0.04	44.8
30	-1.877	-1.878	34.326	27.635	32.407	37.071	1.01	44.4
40	-1.799	-1.800	34.402	27.695	32.464	37.125	4.32	38.7
50	-1.770	-1.771	34.430	27.717	32.484	37.145	2.62	36.6
60	-1.783	-1.784	34.448	27.732	32.500	37.160	2.17	35.1
70	-1.792	-1.793	34.455	27.738	32.506	37.167	1.37	34.5
80	-1.781	-1.783	34.456	27.738	32.506	37.166	0.39	34.4
90	-1.763	-1.765	34.458	27.739	32.507	37.166	0.58	34.2
100	-1.736	-1.738	34.465	27.744	32.511	37.170	1.23	33.7
110	-1.704	-1.706	34.467	27.745	32.510	37.168	0.44	33.6
120	-1.650	-1.653	34.471	27.747	32.510	37.167	0.68	33.4
130	-1.625	-1.628	34.473	27.748	32.510	37.166	0.50	33.3
140	-1.598	-1.601	34.474	27.748	32.510	37.164	-0.18	33.2
150	-1.492	-1.496	34.483	27.752	32.510	37.162	1.06	32.8
160	-1.371	-1.375	34.491	27.754	32.509	37.157	0.79	32.6
170	-1.413	-1.417	34.497	27.761	32.517	37.165	1.42	31.9
180	-1.321	-1.326	34.497	27.758	32.511	37.157	-1.06	32.2
190	-1.164	-1.169	34.507	27.760	32.508	37.149	0.73	32.0
200	-1.107	-1.112	34.516	27.765	32.512	37.151	1.23	31.5
210	-0.833	-0.839	34.533	27.769	32.506	37.137	0.65	31.4
220	-0.684	-0.691	34.550	27.776	32.509	37.136	1.43	30.7
230	-0.515	-0.523	34.562	27.778	32.506	37.127	0.58	30.6
240	-0.163	-0.172	34.585	27.780	32.497	37.108	-0.49	30.7
250	0.042	0.033	34.604	27.785	32.496	37.100	1.00	30.4
260	0.036	0.026	34.611	27.791	32.502	37.107	1.37	29.8
270	0.126	0.116	34.619	27.792	32.501	37.103	0.54	29.7
280	0.239	0.228	34.630	27.795	32.500	37.099	0.74	29.5
290	0.256	0.244	34.637	27.800	32.504	37.102	1.19	29.1
300	0.287	0.275	34.641	27.801	32.505	37.102	0.62	29.0
325	0.368	0.355	34.648	27.802	32.503	37.098	0.20	29.0
350	0.410	0.395	34.653	27.804	32.504	37.098	0.39	28.9
375	0.430	0.414	34.657	27.806	32.505	37.099	0.49	28.7
400	0.473	0.456	34.664	27.809	32.507	37.099	0.58	28.5
425	0.508	0.490	34.668	27.811	32.507	37.098	0.32	28.4
450	0.539	0.519	34.673	27.813	32.509	37.099	0.48	28.3
475	0.546	0.525	34.675	27.814	32.510	37.100	0.38	28.2
500	0.548	0.526	34.676	27.815	32.511	37.100	0.30	28.2
550	0.557	0.532	34.678	27.816	32.512	37.101	0.26	28.1
600	0.546	0.519	34.680	27.819	32.514	37.104	0.41	28.0
650	0.533	0.503	34.681	27.820	32.517	37.107	0.35	27.8
700	0.514	0.482	34.682	27.822	32.519	37.110	0.40	27.7
750	0.479	0.445	34.681	27.824	32.522	37.114	0.37	27.5
800	0.446	0.409	34.681	27.826	32.525	37.118	0.42	27.3
850	0.417	0.378	34.681	27.828	32.528	37.122	0.40	27.1
900	0.387	0.345	34.680	27.829	32.530	37.125	0.35	27.0
950	0.350	0.306	34.679	27.830	32.532	37.129	0.40	26.8
1000	0.321	0.274	34.676	27.830	32.533	37.130	0.14	26.8
1100	0.266	0.214	34.676	27.833	32.538	37.137	0.40	26.4
1200	0.218	0.161	34.677	27.837	32.543	37.144	0.42	25.9
1300	0.170	0.107	34.675	27.838	32.546	37.148	0.32	25.7
1400	0.131	0.063	34.671	27.837	32.547	37.150	0.18	25.6
1500	0.090	0.016	34.672	27.841	32.551	37.156	0.41	25.1
1600	0.059	-0.021	34.669	27.840	32.552	37.158	0.20	25.1
1700	0.023	-0.063	34.667	27.841	32.554	37.161	0.29	24.8
1800	-0.004	-0.096	34.667	27.842	32.557	37.164	0.33	24.5
1900	-0.036	-0.134	34.666	27.844	32.559	37.168	0.32	24.2
2000	-0.063	-0.168	34.665	27.845	32.561	37.171	0.30	24.0
2100	-0.091	-0.202	34.664	27.845	32.563	37.174	0.31	23.7
2200	-0.114	-0.232	34.664	27.847	32.565	37.177	0.32	23.4
2300	-0.143	-0.268	34.664	27.849	32.568	37.181	0.36	23.0
2400	-0.176	-0.308	34.661	27.848	32.569	37.183	0.27	22.8
2500	-0.230	-0.368	34.657	27.848	32.570	37.186	0.36	22.4
2600	-0.500	-0.640	34.635	27.843	32.573	37.198	0.70	20.9
2700	-1.161	-1.295	34.605	27.844	32.595	37.239	1.30	15.7
2720	-1.371	-1.502	34.603	27.849	32.607	37.258	1.86	13.6

PRES	TEMPER	POTEMP	SLINTY	OXYG
8	-1.877	-1.877	34.323	6.869
43	-1.793	-1.794	34.391	6.750
94	-1.752	-1.754	34.461	5.254
145	-1.551	-1.554	34.488	6.197
246	0.016	0.007	34.609	5.146
398	0.470	0.453	34.658	4.892
601	0.546	0.519	34.681	4.812
906	0.383	0.341	34.678	4.802
1212	0.215	0.157	34.673	4.714
1620	0.050	-0.031	34.668	4.823
2028	-0.071	-0.178	34.665	5.169
2335	-0.148	-0.275	34.661	5.259
2612	-0.492	-0.633	34.636	5.731
2663	-0.785	-0.924	34.606	6.111
2714	-1.370	-1.501	34.598	6.592

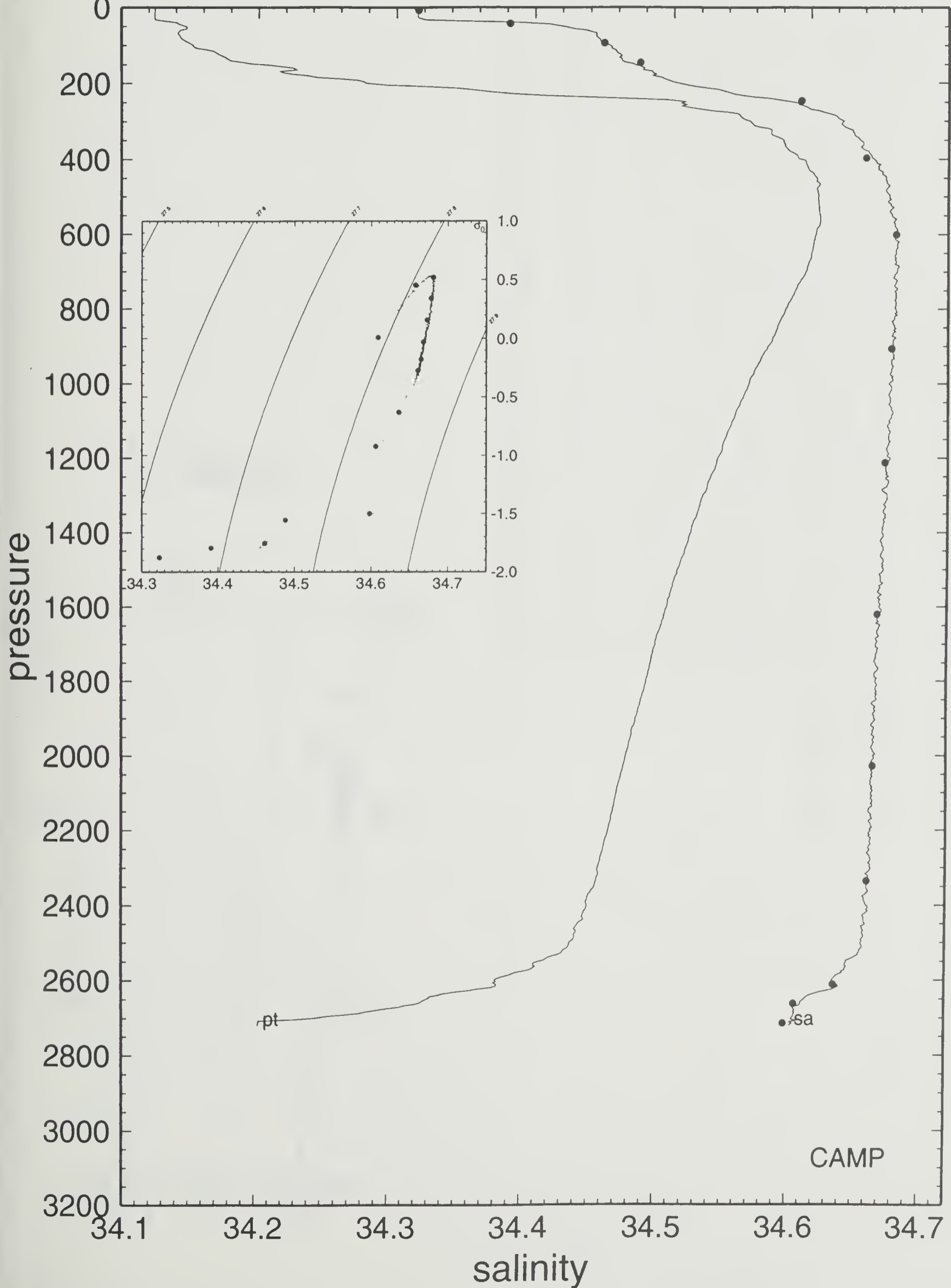
# CAMP 30



30 92/04/09 12:20 68 36.55 S 53 31.18 W CAMP

potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



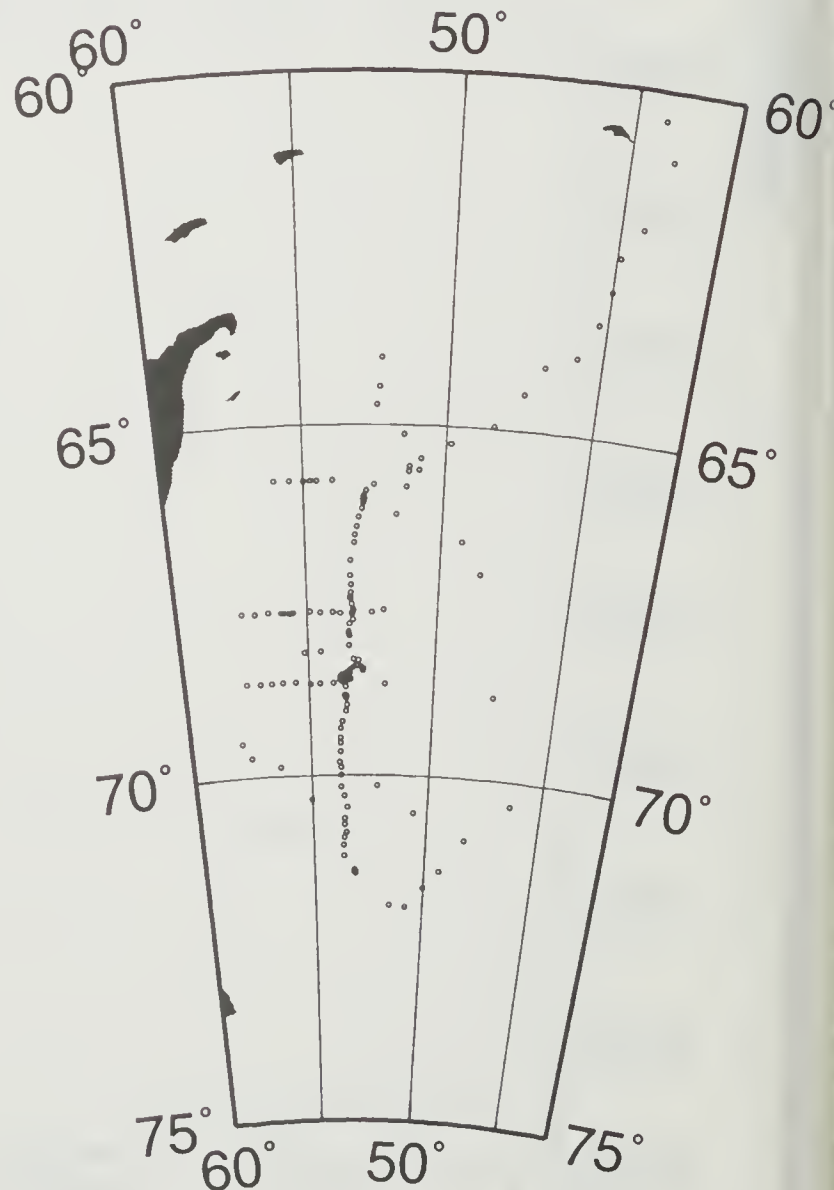
ISW-I -68.6110 -53.5888 92/04/10 101 17:00 CAMP STA# 31

bottom depth = 2644

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.868	-1.868	34.333	27.641	32.412	37.076	0.00	44.1
10	-1.878	-1.878	34.335	27.642	32.414	37.079	0.77	43.8
20	-1.878	-1.878	34.335	27.642	32.414	37.079	0.04	43.8
30	-1.811	-1.812	34.417	27.707	32.476	37.138	4.51	37.6
40	-1.765	-1.766	34.447	27.731	32.498	37.158	2.69	35.3
50	-1.785	-1.786	34.451	27.734	32.502	37.163	1.10	34.9
60	-1.796	-1.797	34.453	27.736	32.505	37.165	0.78	34.7
70	-1.795	-1.796	34.451	27.735	32.503	37.164	-0.72	34.8
80	-1.795	-1.797	34.454	27.737	32.505	37.166	0.87	34.5
90	-1.777	-1.779	34.457	27.739	32.507	37.167	0.77	34.2
100	-1.764	-1.766	34.457	27.739	32.506	37.166	-0.35	34.2
110	-1.760	-1.762	34.460	27.741	32.508	37.168	0.85	33.9
120	-1.732	-1.735	34.462	27.742	32.508	37.167	0.48	33.8
130	-1.712	-1.715	34.462	27.741	32.507	37.165	-0.45	33.8
140	-1.663	-1.666	34.465	27.742	32.506	37.163	0.51	33.7
150	-1.632	-1.635	34.471	27.746	32.509	37.165	1.09	33.3
160	-1.602	-1.606	34.476	27.749	32.511	37.166	0.97	32.9
170	-1.493	-1.497	34.481	27.750	32.509	37.160	0.21	32.9
180	-1.432	-1.436	34.487	27.753	32.510	37.159	0.90	32.6
190	-1.345	-1.350	34.489	27.752	32.506	37.153	-0.74	32.7
200	-1.166	-1.171	34.502	27.756	32.504	37.146	1.00	32.4
210	-1.043	-1.049	34.511	27.759	32.503	37.141	0.78	32.1
220	-0.832	-0.839	34.527	27.764	32.501	37.132	1.01	31.8
230	-0.683	-0.690	34.538	27.766	32.499	37.126	0.71	31.6
240	-0.535	-0.543	34.550	27.770	32.498	37.120	0.81	31.4
250	-0.468	-0.476	34.559	27.774	32.500	37.120	1.08	31.0
260	-0.308	-0.317	34.573	27.778	32.499	37.114	0.89	30.8
270	-0.188	-0.198	34.585	27.781	32.499	37.111	0.94	30.5
280	-0.120	-0.130	34.595	27.786	32.502	37.111	1.13	30.1
290	-0.004	-0.015	34.604	27.787	32.500	37.106	0.30	30.1
300	0.065	0.053	34.611	27.789	32.499	37.104	0.66	29.9
325	0.155	0.142	34.625	27.796	32.503	37.105	0.84	29.4
350	0.257	0.243	34.638	27.801	32.505	37.103	0.69	29.0
375	0.322	0.307	34.644	27.802	32.504	37.101	0.26	29.0
400	0.351	0.334	34.649	27.804	32.506	37.102	0.51	28.8
425	0.384	0.366	34.652	27.805	32.506	37.100	0.15	28.8
450	0.420	0.401	34.655	27.805	32.505	37.099	-0.09	28.8
475	0.444	0.423	34.661	27.809	32.508	37.101	0.63	28.6
500	0.458	0.436	34.665	27.811	32.510	37.102	0.53	28.4
550	0.505	0.481	34.672	27.814	32.511	37.103	0.38	28.2
600	0.530	0.503	34.677	27.817	32.513	37.104	0.38	28.1
650	0.538	0.508	34.679	27.818	32.514	37.105	0.27	28.0
700	0.526	0.494	34.681	27.821	32.517	37.108	0.41	27.8
750	0.502	0.467	34.681	27.822	32.520	37.111	0.37	27.7
800	0.472	0.435	34.683	27.826	32.524	37.117	0.52	27.3
850	0.453	0.413	34.682	27.826	32.525	37.118	0.25	27.3
900	0.414	0.372	34.683	27.830	32.530	37.124	0.52	27.0
940	0.385	0.341	34.679	27.828	32.529	37.124	-0.21	27.1

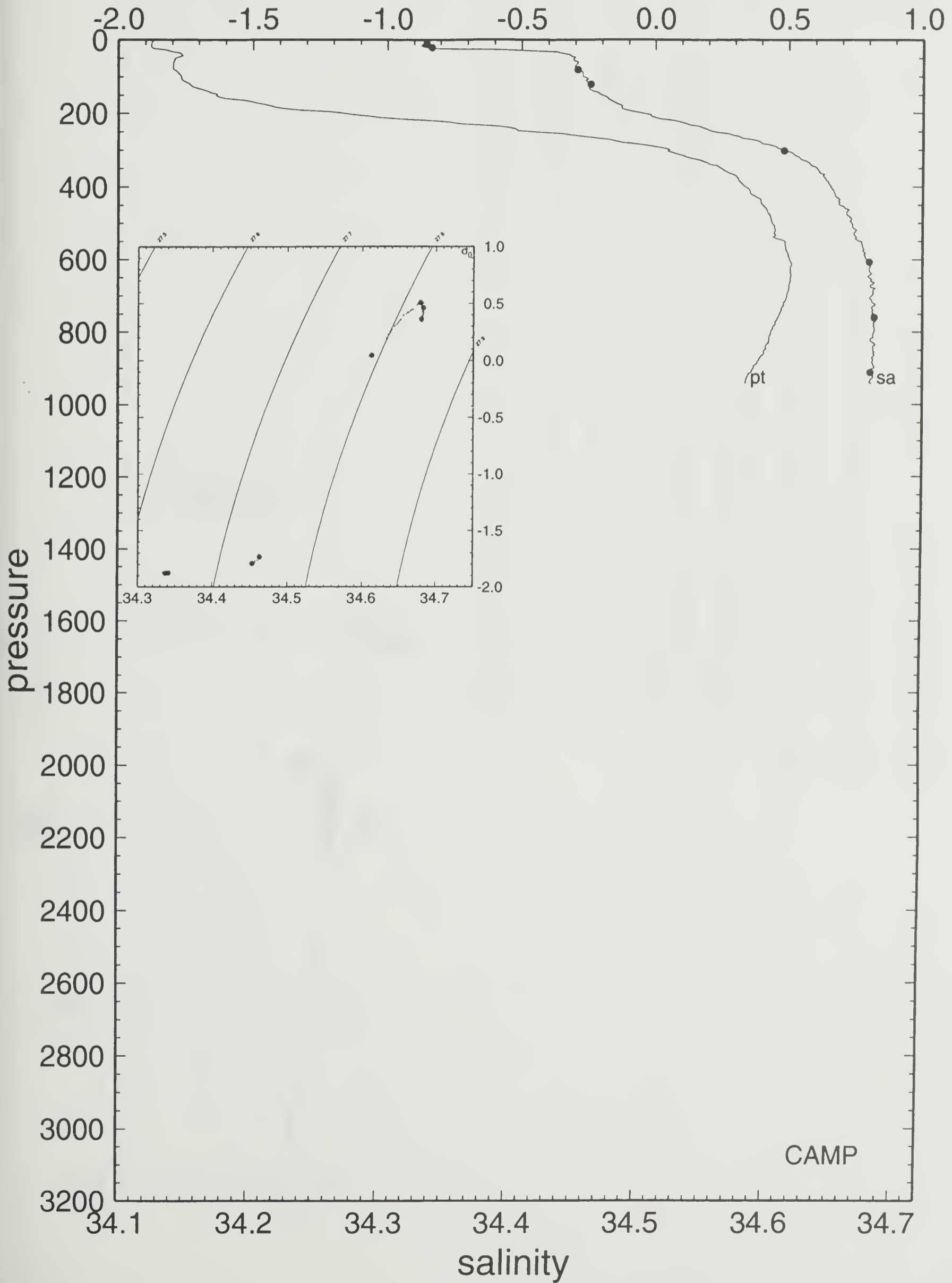
PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.878	-1.878	34.337	
21	-1.877	-1.877	34.341	
82	-1.790	-1.792	34.453	
122	-1.730	-1.733	34.463	
304	0.058	0.046	34.613	
456	0.428	0.408		
608	0.534	0.507	34.679	
760	0.497	0.462	34.683	
912	0.406	0.363	34.680	

# CAMP 31



31 92/04/10 17:00 68 36.66 S 53 35.33 W CAMP

### potential temperature



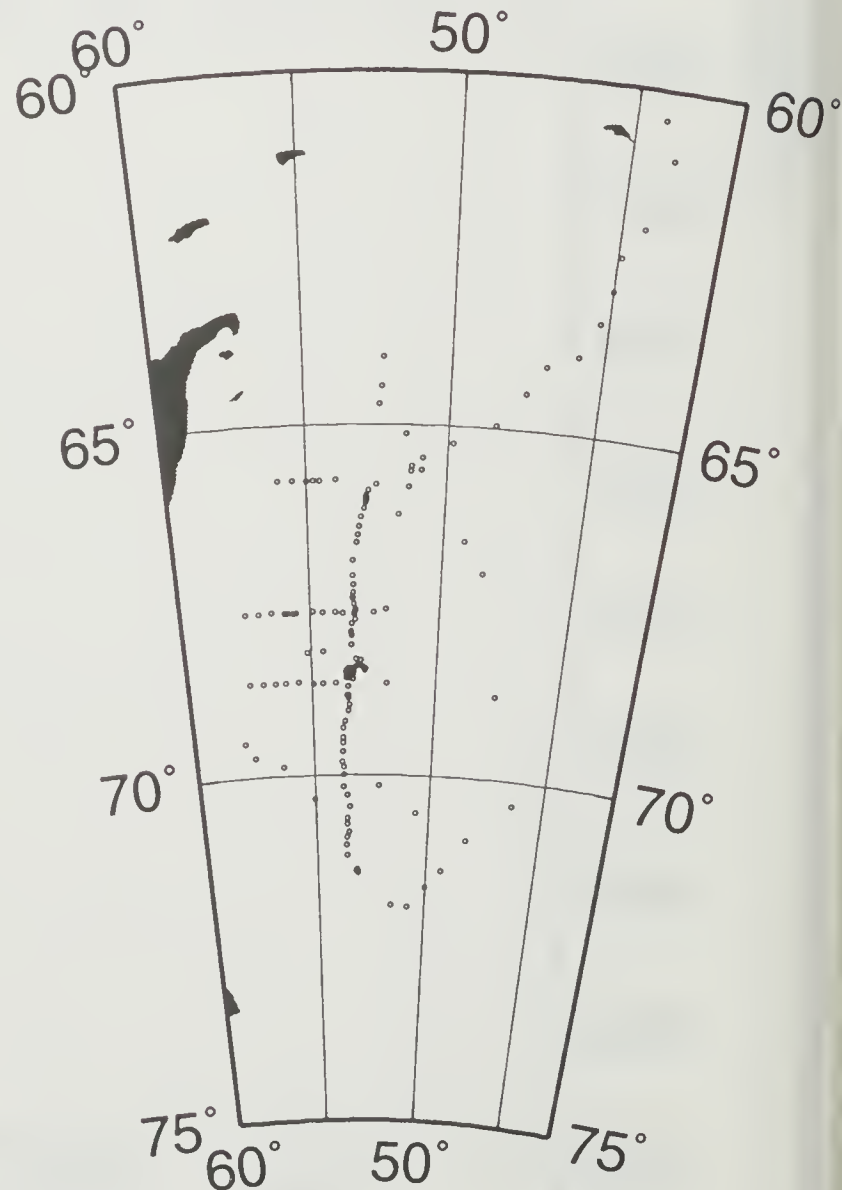
ISW-I -68.5195 -53.4622 92/04/12 103 16:40 CAMP STA# 32

bottom depth = 2668

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.873	-1.873	34.373	27.673	32.445	37.108	0.00	41.0
10	-1.878	-1.878	34.377	27.677	32.448	37.112	1.03	40.6
20	-1.875	-1.875	34.379	27.678	32.450	37.113	0.70	40.4
30	-1.869	-1.870	34.390	27.687	32.458	37.122	1.66	39.5
40	-1.837	-1.838	34.413	27.705	32.475	37.137	2.36	37.8
50	-1.818	-1.819	34.424	27.713	32.482	37.144	1.62	36.9
60	-1.783	-1.784	34.441	27.726	32.494	37.155	2.00	35.6
70	-1.772	-1.773	34.450	27.733	32.501	37.161	1.48	34.9
80	-1.771	-1.773	34.450	27.733	32.501	37.161	-0.09	34.9
90	-1.766	-1.768	34.452	27.735	32.502	37.162	0.68	34.7
100	-1.750	-1.752	34.455	27.737	32.503	37.163	0.78	34.4
110	-1.737	-1.739	34.457	27.738	32.504	37.163	0.62	34.2
120	-1.705	-1.708	34.459	27.739	32.504	37.162	0.44	34.1
130	-1.694	-1.697	34.463	27.742	32.507	37.164	0.95	33.8
140	-1.725	-1.728	34.463	27.742	32.508	37.167	0.56	33.6
150	-1.671	-1.674	34.467	27.744	32.508	37.165	0.68	33.5
160	-1.581	-1.585	34.472	27.746	32.507	37.161	0.55	33.3
170	-1.449	-1.453	34.480	27.748	32.505	37.155	0.73	33.1
180	-1.204	-1.209	34.491	27.749	32.498	37.141	-0.47	33.1
190	-1.078	-1.083	34.507	27.757	32.502	37.141	1.55	32.4
200	-0.965	-0.971	34.513	27.758	32.499	37.135	-0.21	32.3
210	-0.797	-0.803	34.527	27.762	32.499	37.129	1.05	32.0
220	-0.563	-0.570	34.544	27.766	32.495	37.118	0.82	31.8
230	-0.421	-0.429	34.559	27.772	32.497	37.115	1.21	31.3
240	-0.345	-0.353	34.570	27.777	32.499	37.116	1.22	30.8
250	-0.258	-0.267	34.577	27.778	32.498	37.112	0.50	30.7
260	-0.208	-0.217	34.583	27.781	32.499	37.111	0.79	30.5
270	-0.101	-0.111	34.594	27.784	32.499	37.108	0.91	30.3
280	-0.007	-0.018	34.603	27.787	32.499	37.105	0.71	30.1
290	0.089	0.078	34.614	27.790	32.500	37.103	0.96	29.8
300	0.199	0.187	34.625	27.793	32.499	37.099	0.77	29.7
325	0.255	0.242	34.634	27.798	32.502	37.100	0.68	29.3
350	0.282	0.268	34.639	27.800	32.504	37.101	0.54	29.1
375	0.332	0.316	34.643	27.801	32.503	37.099	-0.10	29.1
400	0.373	0.356	34.650	27.804	32.505	37.100	0.60	28.9
425	0.407	0.389	34.655	27.806	32.506	37.100	0.46	28.7
450	0.438	0.419	34.660	27.808	32.507	37.100	0.49	28.6
475	0.453	0.432	34.662	27.809	32.508	37.100	0.28	28.6
500	0.474	0.452	34.666	27.811	32.509	37.101	0.47	28.4
550	0.505	0.481	34.673	27.815	32.512	37.103	0.47	28.1
600	0.523	0.496	34.675	27.816	32.512	37.103	0.16	28.2
650	0.536	0.506	34.679	27.819	32.515	37.105	0.39	28.0
700	0.525	0.493	34.681	27.821	32.517	37.108	0.41	27.8
750	0.501	0.466	34.681	27.823	32.520	37.111	0.37	27.7
800	0.461	0.424	34.681	27.825	32.524	37.116	0.47	27.4
850	0.433	0.394	34.680	27.826	32.525	37.119	0.33	27.3
900	0.406	0.364	34.679	27.827	32.527	37.122	0.32	27.2
950	0.381	0.336	34.677	27.827	32.528	37.123	0.22	27.2
1000	0.351	0.304	34.677	27.829	32.531	37.127	0.42	27.0
1015	0.340	0.292	34.678	27.830	32.533	37.129	0.61	26.8

PRES	TEMPER	POTEMP	SLINTY	OXYG
606	0.528	0.501	34.677	
1013	0.343	0.295	34.679	

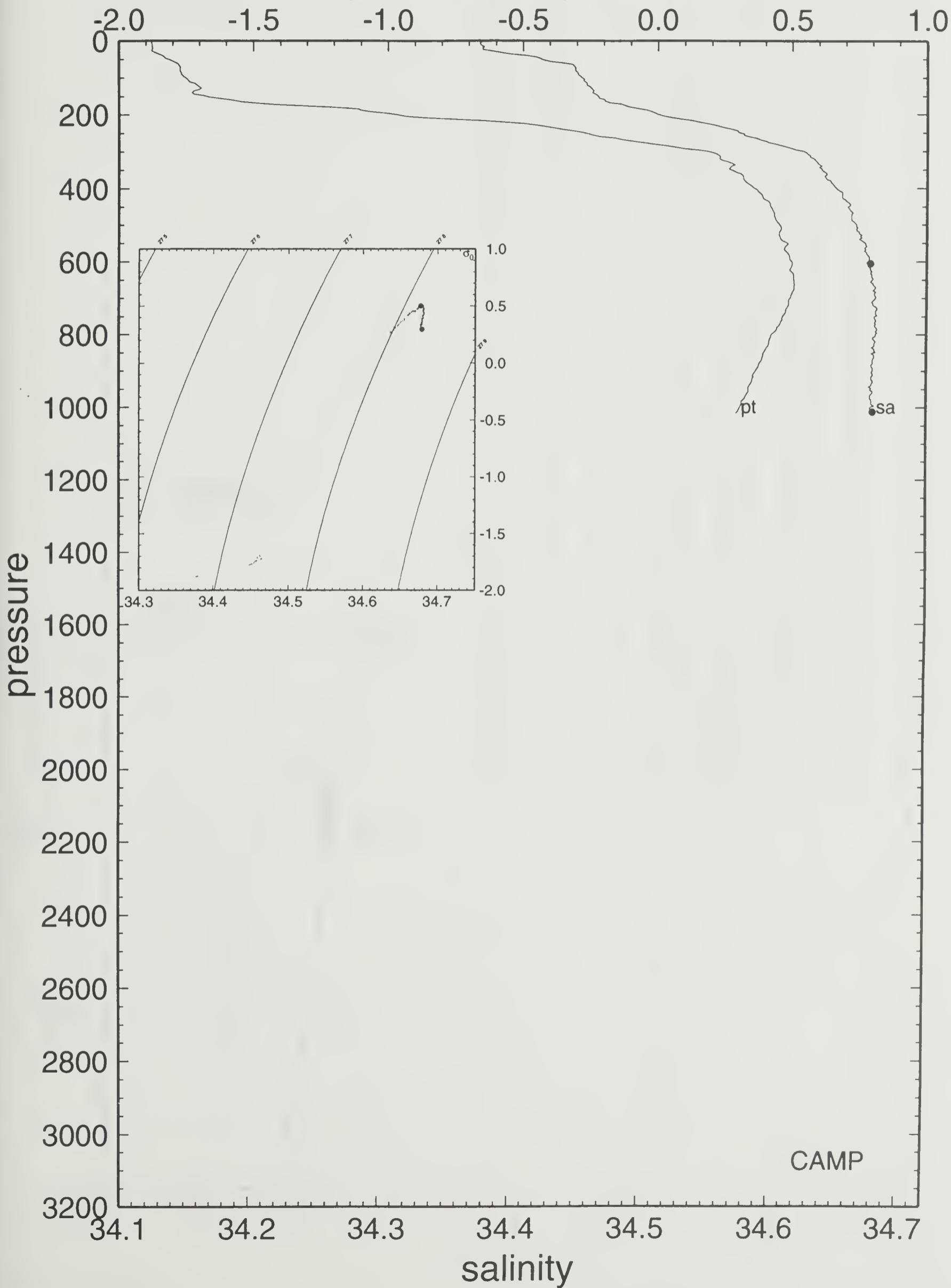
# CAMP 32





32 92/04/12 16:40 68 31.17 S 53 27.73 W CAMP

### potential temperature

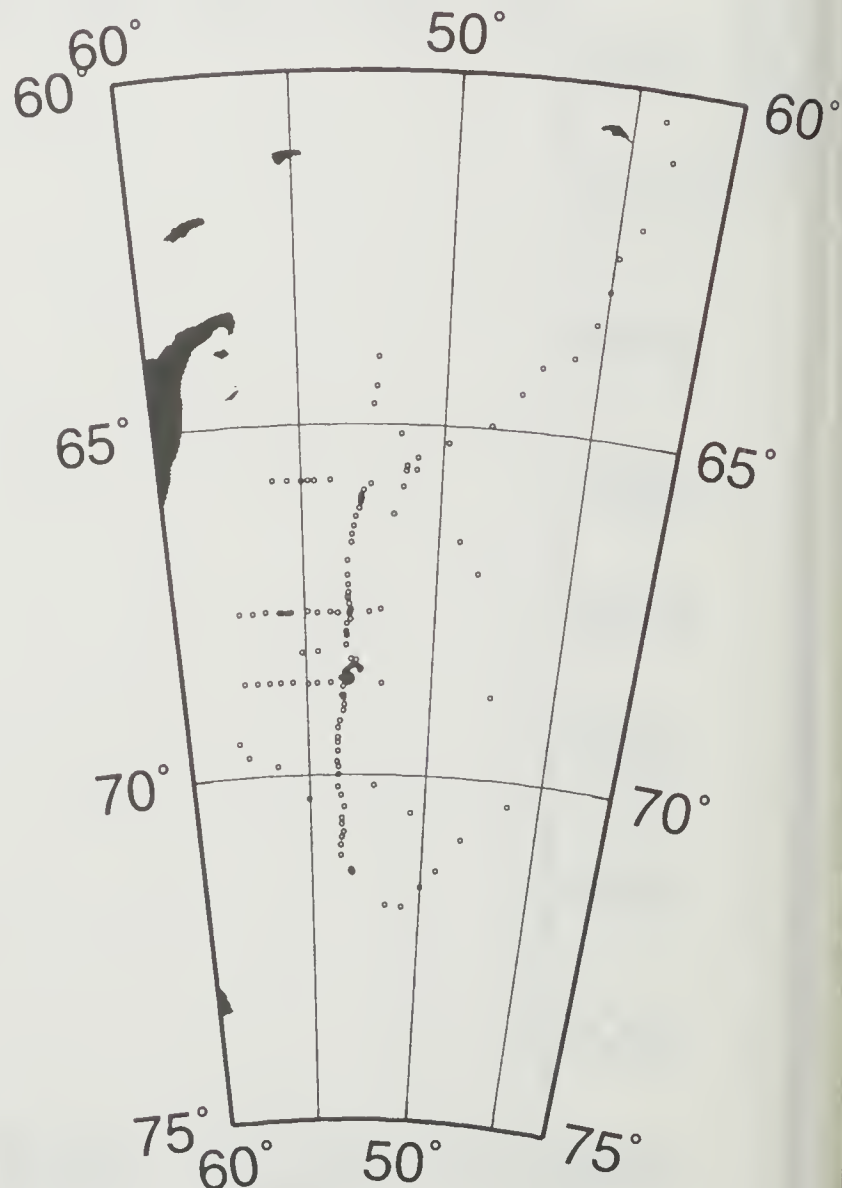


ISW-I -68.6262 -53.3300 92/04/14 105 16:40 CAMP STA# 33

bottom depth = 2737

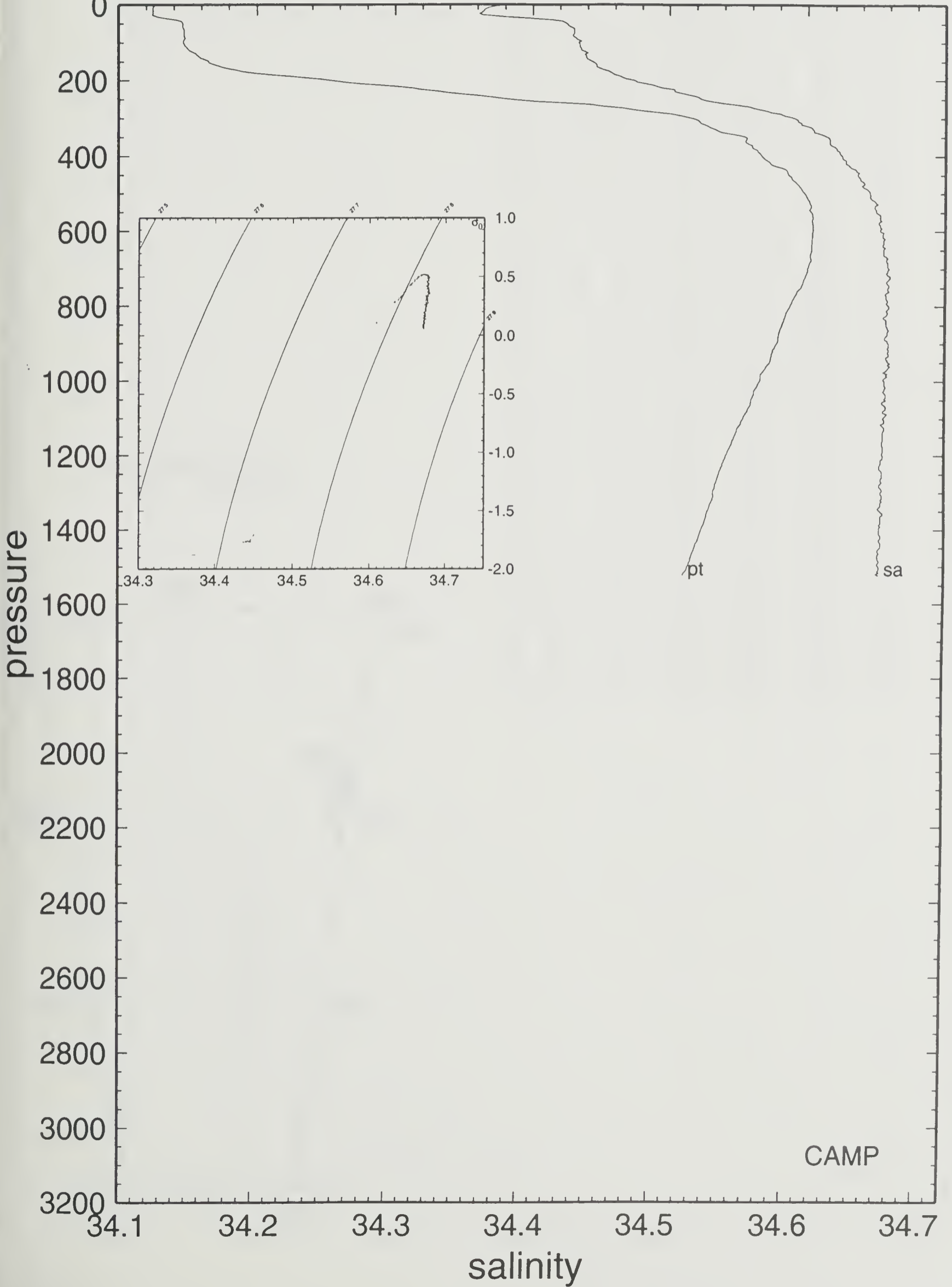
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.866	-1.866	34.390	27.687	32.458	37.121	0.00	39.7
10	-1.877	-1.877	34.375	27.675	32.446	37.110	-1.93	40.8
20	-1.877	-1.877	34.372	27.672	32.444	37.108	-0.87	40.9
30	-1.868	-1.869	34.381	27.680	32.451	37.114	1.49	40.2
40	-1.792	-1.793	34.424	27.713	32.481	37.142	3.21	37.0
50	-1.768	-1.769	34.435	27.721	32.488	37.149	1.61	36.2
60	-1.767	-1.768	34.439	27.724	32.492	37.152	1.01	35.8
70	-1.762	-1.763	34.441	27.726	32.493	37.153	0.68	35.6
80	-1.762	-1.764	34.440	27.725	32.492	37.152	-0.50	35.7
90	-1.760	-1.762	34.443	27.727	32.494	37.154	0.86	35.4
100	-1.765	-1.767	34.444	27.728	32.495	37.156	0.55	35.2
110	-1.756	-1.758	34.445	27.729	32.496	37.156	0.41	35.1
120	-1.743	-1.745	34.446	27.729	32.496	37.155	0.36	35.0
130	-1.718	-1.721	34.450	27.732	32.498	37.156	0.88	34.7
140	-1.701	-1.704	34.450	27.731	32.497	37.155	-0.41	34.7
150	-1.671	-1.674	34.454	27.734	32.498	37.155	0.84	34.5
160	-1.641	-1.645	34.458	27.736	32.499	37.156	0.84	34.2
170	-1.585	-1.589	34.462	27.738	32.499	37.154	0.64	34.0
180	-1.511	-1.515	34.469	27.741	32.500	37.152	0.97	33.7
190	-1.352	-1.357	34.476	27.742	32.496	37.143	-0.35	33.7
200	-1.228	-1.233	34.486	27.745	32.496	37.139	0.98	33.3
210	-1.092	-1.098	34.498	27.750	32.496	37.135	1.11	32.9
220	-0.932	-0.938	34.508	27.752	32.493	37.127	0.53	32.8
230	-0.815	-0.822	34.519	27.756	32.494	37.124	1.03	32.5
240	-0.689	-0.697	34.531	27.761	32.494	37.121	1.05	32.1
250	-0.564	-0.572	34.539	27.762	32.491	37.114	0.15	32.1
260	-0.377	-0.386	34.554	27.765	32.489	37.107	0.81	31.9
270	-0.199	-0.209	34.575	27.774	32.492	37.104	1.47	31.2
280	-0.092	-0.102	34.586	27.777	32.492	37.101	0.90	30.9
290	0.034	0.023	34.597	27.780	32.491	37.096	0.62	30.8
300	0.098	0.086	34.607	27.784	32.494	37.097	1.13	30.4
325	0.163	0.150	34.619	27.791	32.498	37.099	0.84	29.9
350	0.289	0.275	34.631	27.793	32.497	37.094	0.43	29.8
375	0.313	0.298	34.636	27.796	32.499	37.096	0.56	29.6
400	0.350	0.333	34.642	27.799	32.500	37.096	0.54	29.3
425	0.394	0.376	34.647	27.800	32.501	37.095	0.36	29.3
450	0.451	0.432	34.654	27.803	32.501	37.094	0.45	29.1
475	0.483	0.462	34.659	27.805	32.503	37.095	0.47	29.0
500	0.511	0.489	34.663	27.807	32.503	37.095	0.39	28.9
550	0.538	0.513	34.668	27.809	32.505	37.096	0.37	28.8
600	0.545	0.518	34.671	27.811	32.507	37.097	0.36	28.6
650	0.543	0.513	34.674	27.814	32.510	37.100	0.41	28.4
700	0.531	0.499	34.678	27.818	32.515	37.105	0.52	28.1
750	0.510	0.475	34.677	27.819	32.516	37.107	0.26	28.0
800	0.473	0.436	34.678	27.822	32.520	37.113	0.50	27.7
850	0.447	0.407	34.676	27.822	32.521	37.114	0.22	27.7
900	0.431	0.389	34.678	27.825	32.524	37.118	0.44	27.5
950	0.407	0.362	34.678	27.826	32.527	37.121	0.38	27.3
1000	0.375	0.328	34.675	27.826	32.527	37.123	0.19	27.3
1100	0.321	0.269	34.674	27.828	32.532	37.129	0.37	27.0
1200	0.265	0.207	34.674	27.832	32.537	37.136	0.41	26.5
1300	0.223	0.160	34.672	27.833	32.539	37.140	0.29	26.3
1400	0.188	0.119	34.671	27.834	32.542	37.144	0.31	26.1
1500	0.145	0.070	34.671	27.837	32.546	37.149	0.38	25.7
1520	0.131	0.055	34.669	27.836	32.546	37.149	-0.13	25.7

# CAMP 33



### potential temperature

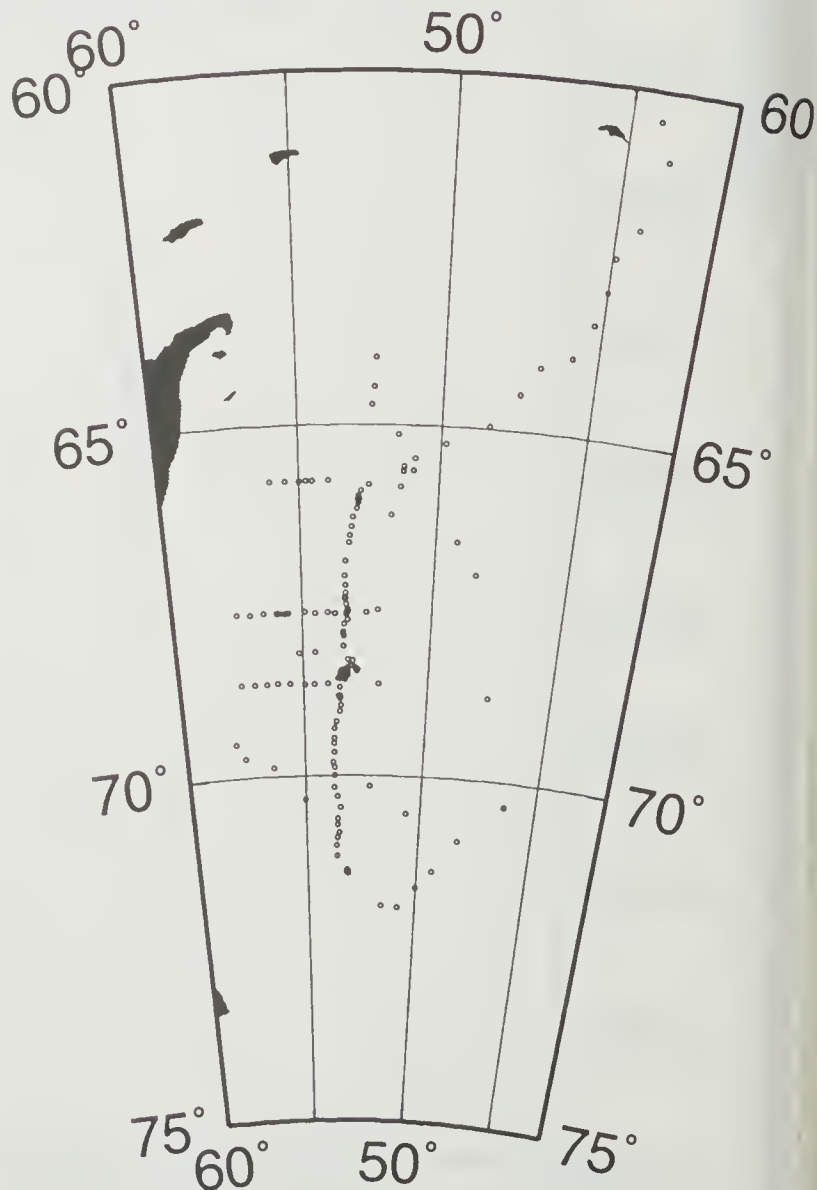
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-I -68.5337 -53.3682 92/04/15 106 19:42 CAMP STA# 34  
 bottom depth = 2713

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.867	-1.867	34.404	27.698	32.469	37.133	0.00	38.6
10	-1.872	-1.872	34.393	27.689	32.461	37.124	-1.66	39.4
20	-1.873	-1.873	34.391	27.688	32.459	37.123	-0.71	39.5
30	-1.847	-1.848	34.399	27.694	32.464	37.127	1.35	38.9
40	-1.798	-1.799	34.428	27.716	32.484	37.146	2.64	36.7
50	-1.778	-1.779	34.435	27.721	32.489	37.149	1.27	36.2
60	-1.775	-1.776	34.438	27.723	32.491	37.152	0.86	35.9
70	-1.775	-1.776	34.442	27.727	32.494	37.155	1.01	35.5
80	-1.774	-1.776	34.441	27.726	32.494	37.154	-0.51	35.5
90	-1.766	-1.768	34.443	27.727	32.495	37.155	0.66	35.4
100	-1.750	-1.752	34.445	27.729	32.495	37.155	0.60	35.2
110	-1.743	-1.745	34.446	27.729	32.496	37.155	0.43	35.1
120	-1.724	-1.727	34.448	27.730	32.496	37.155	0.57	34.9
130	-1.704	-1.707	34.451	27.732	32.498	37.156	0.75	34.7
140	-1.674	-1.677	34.452	27.732	32.497	37.154	-0.23	34.7
150	-1.597	-1.600	34.454	27.731	32.493	37.148	-0.56	34.7
160	-1.510	-1.514	34.461	27.734	32.494	37.146	0.90	34.4
170	-1.341	-1.345	34.467	27.734	32.488	37.135	-0.68	34.5
180	-1.215	-1.220	34.478	27.738	32.488	37.131	1.10	34.1
190	-1.099	-1.104	34.486	27.741	32.487	37.126	0.71	33.9
200	-0.963	-0.969	34.496	27.744	32.486	37.121	0.81	33.7
210	-0.775	-0.781	34.514	27.751	32.487	37.116	1.35	33.1
220	-0.670	-0.677	34.524	27.754	32.487	37.113	0.96	32.8
230	-0.540	-0.547	34.533	27.756	32.485	37.107	0.46	32.7
240	-0.399	-0.407	34.548	27.762	32.486	37.104	1.20	32.2
250	-0.317	-0.326	34.558	27.766	32.488	37.103	1.06	31.9
260	-0.199	-0.208	34.569	27.769	32.487	37.099	0.83	31.7
270	-0.111	-0.121	34.582	27.775	32.491	37.100	1.30	31.1
280	-0.035	-0.045	34.588	27.776	32.489	37.096	0.31	31.1
290	0.058	0.047	34.600	27.781	32.491	37.096	1.12	30.7
300	0.116	0.104	34.607	27.783	32.492	37.095	0.80	30.5
325	0.225	0.212	34.621	27.789	32.494	37.093	0.74	30.1
350	0.340	0.326	34.634	27.793	32.495	37.091	0.60	29.9
375	0.399	0.383	34.641	27.795	32.495	37.090	0.46	29.7
400	0.447	0.430	34.651	27.801	32.499	37.092	0.77	29.3
425	0.481	0.463	34.653	27.800	32.498	37.090	-0.30	29.4
450	0.501	0.481	34.659	27.804	32.501	37.092	0.66	29.1
475	0.506	0.485	34.661	27.805	32.502	37.093	0.41	29.0
500	0.514	0.492	34.663	27.807	32.503	37.094	0.37	28.9
550	0.513	0.489	34.667	27.810	32.507	37.098	0.47	28.7
600	0.517	0.490	34.668	27.811	32.507	37.098	0.21	28.7
650	0.538	0.508	34.673	27.814	32.510	37.100	0.40	28.5
700	0.521	0.489	34.675	27.816	32.513	37.104	0.44	28.2
750	0.493	0.458	34.675	27.818	32.516	37.108	0.39	28.1
800	0.464	0.427	34.676	27.821	32.519	37.112	0.46	27.8
850	0.436	0.396	34.675	27.822	32.521	37.115	0.33	27.7
900	0.407	0.365	34.675	27.824	32.524	37.119	0.41	27.5
950	0.375	0.330	34.674	27.825	32.526	37.122	0.36	27.4
1000	0.356	0.309	34.673	27.825	32.527	37.123	0.26	27.3
1010	0.348	0.300	34.673	27.826	32.528	37.124	0.48	27.2

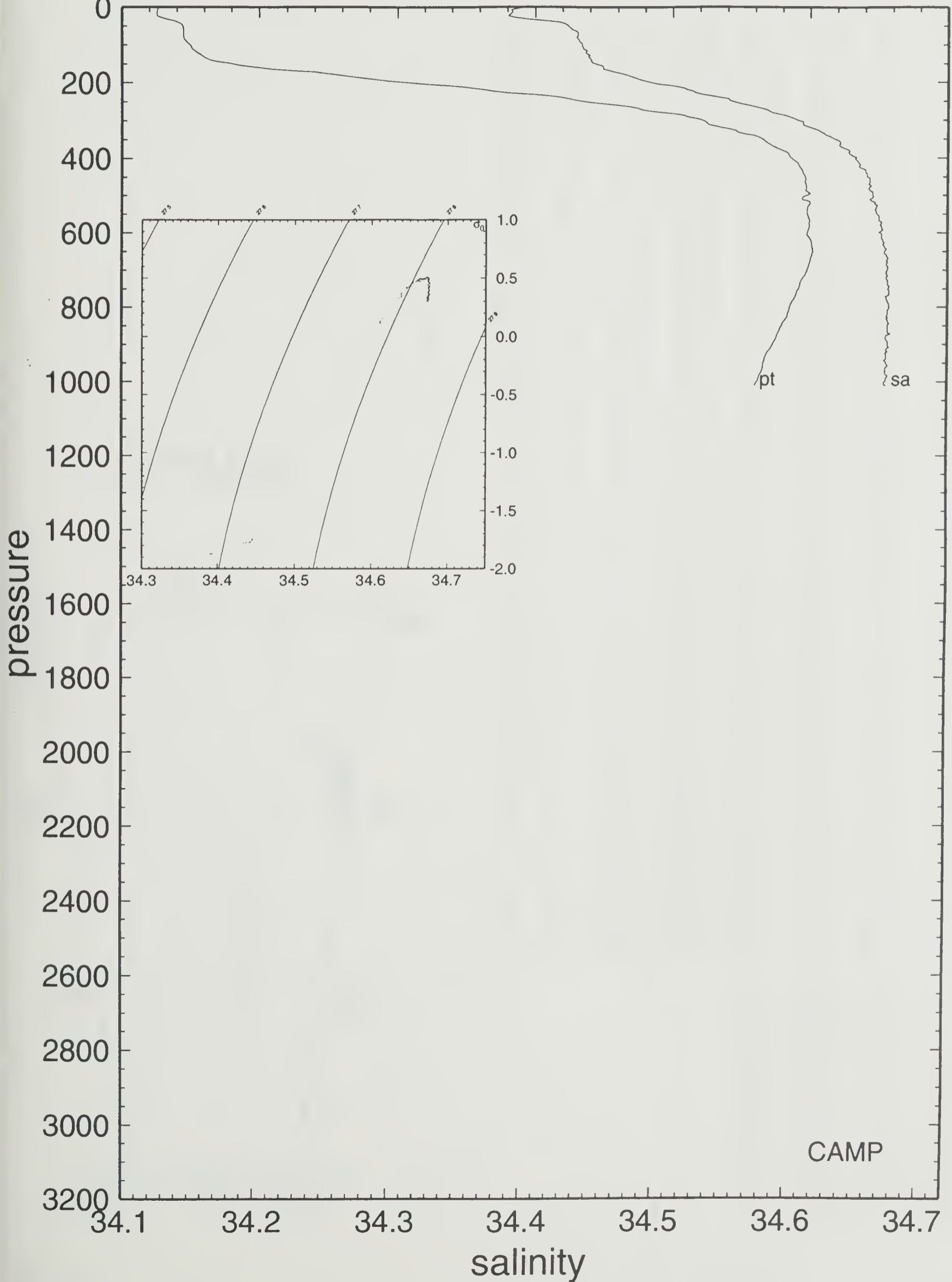
# CAMP 34



34 92/04/15 19:42 68 32.02 S 53 22.09 W CAMP

### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



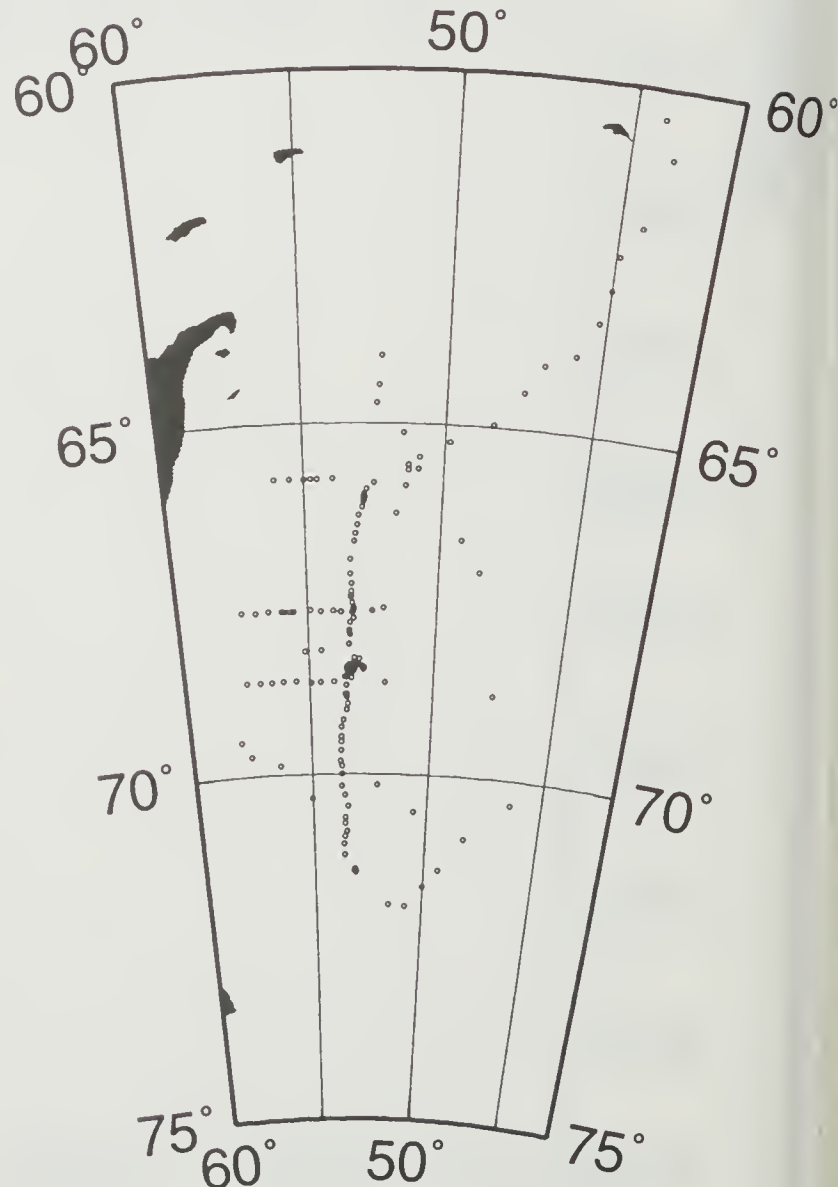
ISW-I -68.4917 -53.3568 92/04/16 107 11:40 CAMP STA# 35

bottom depth = 2716

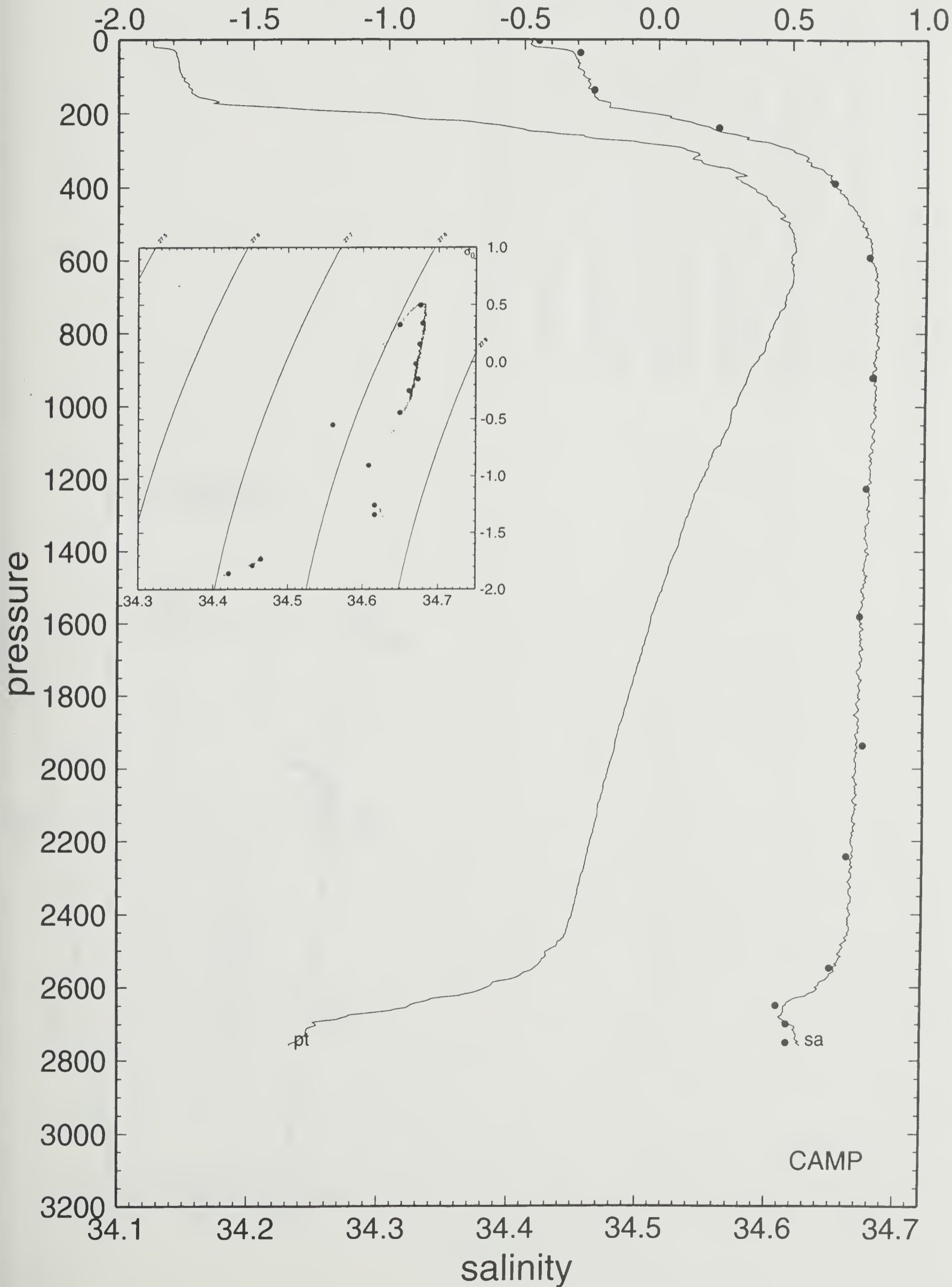
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.873	-1.873	34.418	27.710	32.481	37.144	0.00	37.5
10	-1.874	-1.874	34.415	27.707	32.478	37.142	-0.87	37.7
20	-1.869	-1.869	34.418	27.710	32.481	37.144	0.85	37.4
30	-1.795	-1.796	34.444	27.729	32.497	37.158	2.45	35.5
40	-1.787	-1.788	34.449	27.733	32.501	37.161	1.10	35.1
50	-1.783	-1.784	34.450	27.733	32.501	37.162	0.47	35.0
60	-1.779	-1.780	34.451	27.734	32.502	37.162	0.47	34.9
70	-1.779	-1.780	34.452	27.735	32.503	37.163	0.51	34.7
80	-1.775	-1.777	34.453	27.736	32.503	37.164	0.47	34.6
90	-1.771	-1.773	34.456	27.738	32.505	37.166	0.85	34.3
100	-1.766	-1.768	34.457	27.739	32.506	37.166	0.46	34.2
110	-1.758	-1.760	34.460	27.741	32.508	37.168	0.83	34.0
120	-1.739	-1.742	34.461	27.741	32.508	37.167	0.26	33.9
130	-1.736	-1.739	34.459	27.740	32.506	37.165	-0.73	34.0
140	-1.730	-1.733	34.463	27.743	32.509	37.168	0.98	33.6
150	-1.714	-1.717	34.464	27.743	32.509	37.167	0.30	33.6
160	-1.673	-1.676	34.466	27.743	32.508	37.165	0.28	33.5
170	-1.637	-1.641	34.474	27.749	32.512	37.168	1.28	32.9
180	-1.492	-1.496	34.476	27.746	32.505	37.156	-1.06	33.2
190	-1.288	-1.293	34.487	27.748	32.500	37.146	0.56	33.1
200	-1.028	-1.034	34.506	27.754	32.498	37.135	1.17	32.6
210	-0.919	-0.925	34.522	27.763	32.504	37.137	1.58	31.8
220	-0.737	-0.744	34.532	27.764	32.499	37.127	-0.42	31.8
230	-0.615	-0.622	34.544	27.768	32.499	37.124	1.06	31.5
240	-0.530	-0.538	34.554	27.773	32.501	37.123	1.07	31.1
250	-0.435	-0.443	34.562	27.775	32.500	37.119	0.66	31.0
260	-0.269	-0.278	34.577	27.779	32.499	37.113	0.96	30.7
270	-0.194	-0.204	34.584	27.781	32.499	37.111	0.65	30.5
280	-0.057	-0.067	34.601	27.788	32.501	37.109	1.33	30.0
290	0.067	0.056	34.610	27.788	32.498	37.102	-0.31	30.0
300	0.119	0.107	34.618	27.792	32.501	37.103	1.00	29.7
325	0.147	0.134	34.628	27.799	32.506	37.108	0.89	29.1
350	0.281	0.267	34.639	27.800	32.504	37.101	0.13	29.1
375	0.306	0.291	34.646	27.805	32.507	37.104	0.71	28.7
400	0.367	0.350	34.650	27.804	32.505	37.100	-0.33	28.8
425	0.422	0.404	34.656	27.806	32.505	37.099	0.36	28.8
450	0.451	0.432	34.661	27.808	32.507	37.100	0.50	28.6
475	0.492	0.471	34.666	27.810	32.507	37.099	0.38	28.5
500	0.512	0.490	34.671	27.813	32.510	37.101	0.57	28.3
550	0.533	0.508	34.677	27.817	32.513	37.103	0.46	28.0
600	0.527	0.500	34.678	27.818	32.514	37.105	0.30	28.0
650	0.534	0.504	34.681	27.820	32.516	37.107	0.36	27.8
700	0.510	0.478	34.681	27.822	32.519	37.110	0.36	27.7
750	0.486	0.451	34.682	27.824	32.522	37.114	0.43	27.5
800	0.454	0.417	34.681	27.825	32.524	37.117	0.35	27.4
850	0.438	0.398	34.681	27.827	32.526	37.119	0.31	27.3
900	0.389	0.347	34.681	27.830	32.530	37.125	0.52	26.9
950	0.364	0.320	34.682	27.832	32.533	37.129	0.44	26.7
1000	0.337	0.290	34.682	27.834	32.536	37.133	0.40	26.5
1100	0.292	0.240	34.679	27.834	32.538	37.136	0.25	26.4
1200	0.229	0.172	34.677	27.836	32.542	37.142	0.38	26.0
1300	0.183	0.120	34.676	27.838	32.546	37.147	0.35	25.7
1400	0.143	0.075	34.674	27.839	32.548	37.151	0.29	25.5
1500	0.099	0.025	34.673	27.841	32.551	37.156	0.35	25.2
1600	0.058	-0.022	34.672	27.843	32.554	37.160	0.35	24.8
1700	0.027	-0.059	34.672	27.845	32.557	37.164	0.34	24.5
1800	-0.008	-0.100	34.670	27.845	32.559	37.167	0.29	24.3
1900	-0.042	-0.140	34.670	27.847	32.562	37.172	0.36	23.9
2000	-0.069	-0.174	34.667	27.846	32.563	37.173	0.20	23.8
2100	-0.100	-0.211	34.669	27.850	32.567	37.179	0.42	23.3
2200	-0.122	-0.240	34.665	27.848	32.567	37.179	0.06	23.3
2300	-0.151	-0.276	34.665	27.850	32.569	37.183	0.36	22.9
2400	-0.175	-0.307	34.665	27.851	32.572	37.186	0.34	22.5
2500	-0.255	-0.393	34.657	27.849	32.572	37.189	0.36	22.1
2600	-0.477	-0.618	34.638	27.844	32.574	37.198	0.62	20.9
2700	-1.125	-1.260	34.618	27.854	32.603	37.246	1.37	15.1
2760	-1.221	-1.358	34.627	27.864	32.617	37.263	0.98	13.3

PRES	TEMPER	POTEMP	SLINTY	OXYG
3	-1.860	-1.860	34.421	7.478
35	-1.789	-1.790	34.453	7.113
137	-1.728	-1.731	34.464	7.081
238	-0.545	-0.553	34.560	5.735
390	0.341	0.325	34.649	5.286
592	0.523	0.496	34.676	5.249
921	0.380	0.337	34.679	5.417
1226	0.215	0.156	34.675	5.099
1581	0.062	-0.017	34.670	5.321
1937	-0.050	-0.151	34.673	5.743
2242	-0.132	-0.253	34.661	5.843
2547	-0.304	-0.444	34.649	5.911
2649	-0.768	-0.907	34.608	6.672
2700	-1.124	-1.259	34.616	6.991
2751	-1.205	-1.342	34.616	7.325

# CAMP 35



### potential temperature

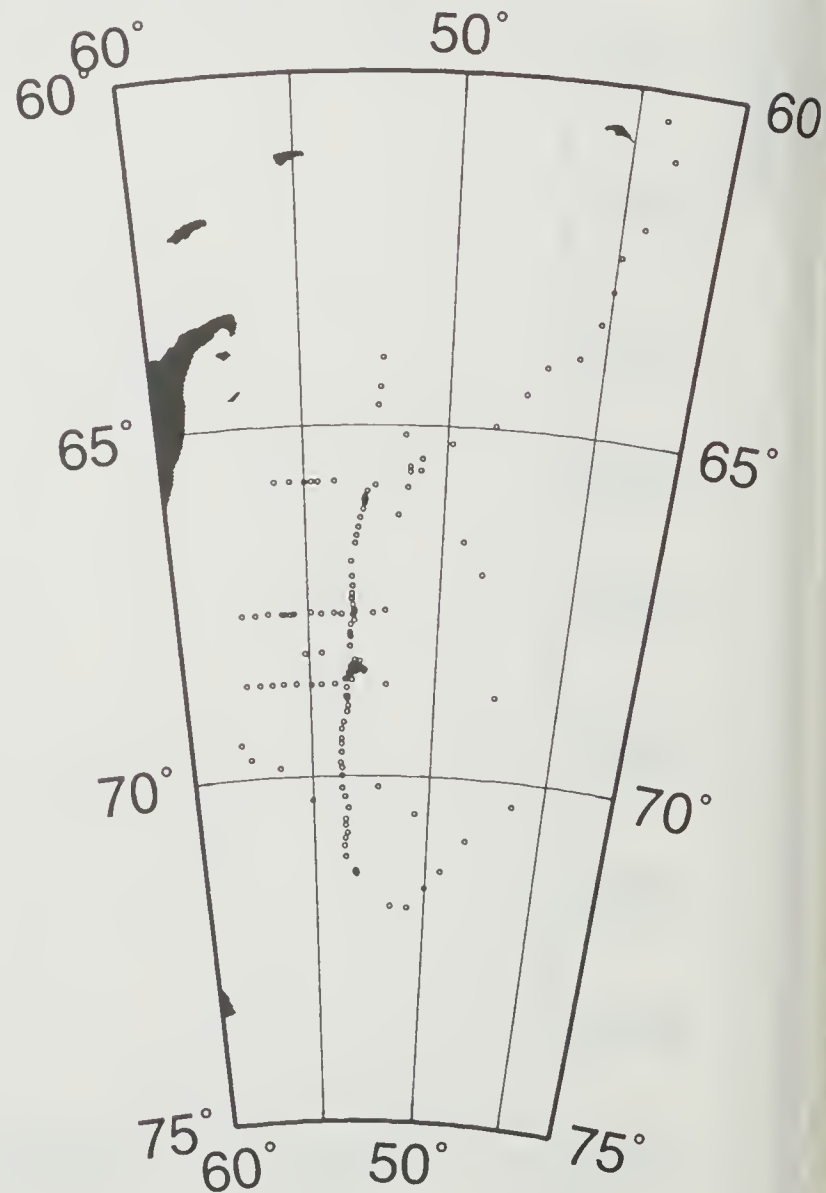


ISW-I -68.4512 -53.2260 92/04/17 108 16:47 CAMP STA# 36

bottom depth = 2765

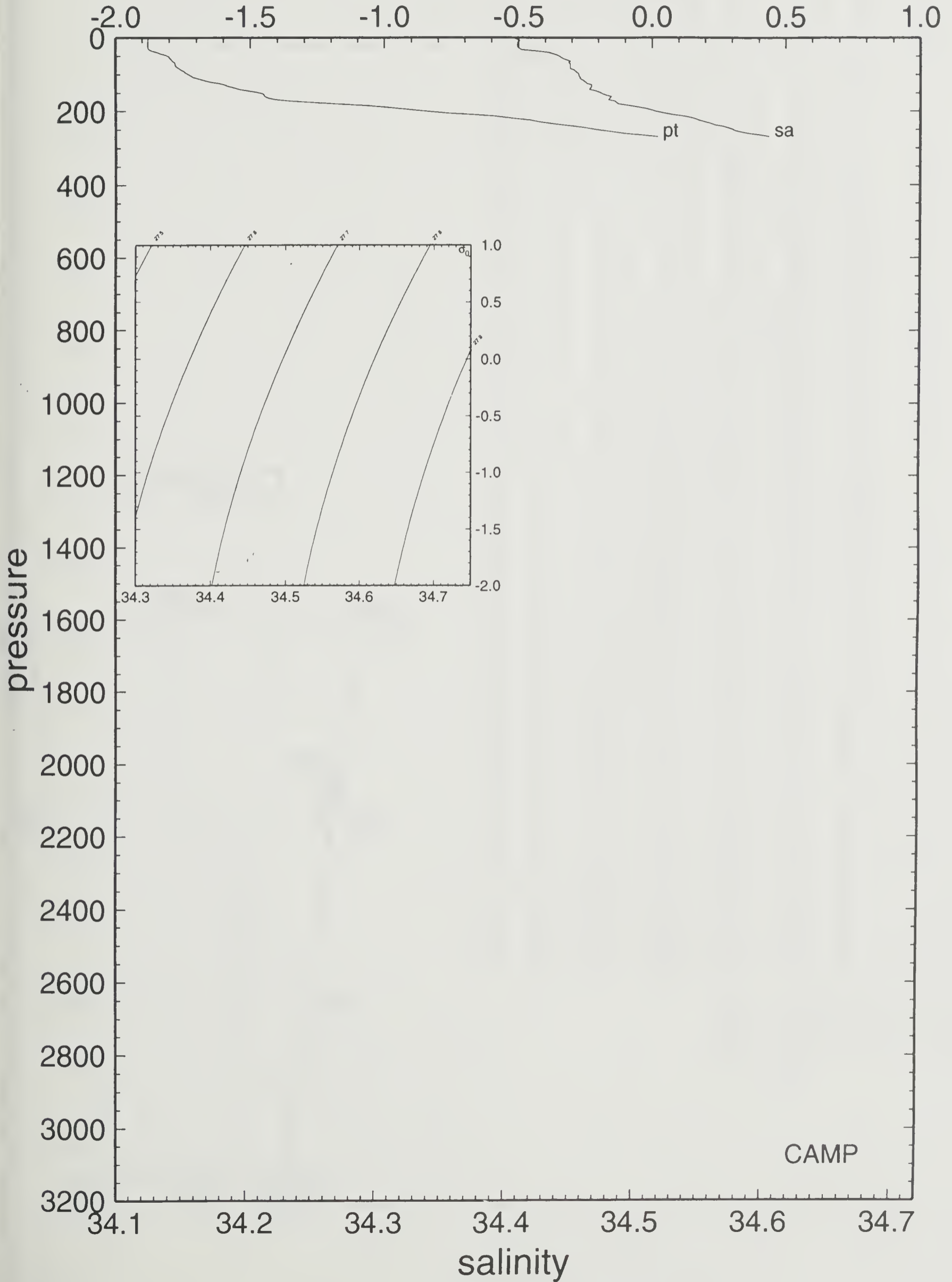
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.876	-1.876	34.417	27.709	32.480	37.144	0.00	37.6
10	-1.878	-1.878	34.410	27.703	32.475	37.138	-1.33	38.1
20	-1.878	-1.878	34.409	27.703	32.474	37.138	-0.50	38.1
30	-1.876	-1.877	34.411	27.704	32.475	37.139	0.70	37.9
40	-1.845	-1.846	34.433	27.721	32.491	37.154	2.31	36.2
50	-1.806	-1.807	34.441	27.727	32.495	37.157	1.30	35.6
60	-1.790	-1.791	34.447	27.731	32.499	37.160	1.18	35.2
70	-1.778	-1.779	34.450	27.733	32.501	37.161	0.81	34.9
80	-1.770	-1.772	34.450	27.733	32.501	37.161	-0.27	34.9
90	-1.750	-1.752	34.453	27.735	32.502	37.161	0.76	34.6
100	-1.727	-1.729	34.457	27.738	32.504	37.162	0.89	34.3
110	-1.700	-1.702	34.458	27.738	32.503	37.161	-0.11	34.3
120	-1.646	-1.649	34.462	27.739	32.503	37.159	0.68	34.1
130	-1.586	-1.589	34.467	27.742	32.503	37.158	0.80	33.8
140	-1.537	-1.540	34.465	27.739	32.499	37.151	-1.02	34.1
150	-1.463	-1.467	34.474	27.744	32.501	37.152	1.21	33.6
160	-1.443	-1.447	34.482	27.749	32.506	37.156	1.34	33.0
170	-1.376	-1.380	34.482	27.747	32.502	37.150	-0.89	33.2
180	-1.170	-1.175	34.488	27.745	32.493	37.135	-1.03	33.5
190	-0.960	-0.965	34.506	27.752	32.494	37.129	1.31	32.9
200	-0.830	-0.836	34.516	27.755	32.492	37.123	0.81	32.7
210	-0.625	-0.632	34.533	27.760	32.491	37.116	1.09	32.3
220	-0.502	-0.509	34.547	27.766	32.493	37.114	1.25	31.8
230	-0.396	-0.404	34.557	27.769	32.493	37.111	0.88	31.6
240	-0.288	-0.296	34.568	27.773	32.493	37.108	0.96	31.3
250	-0.185	-0.194	34.577	27.775	32.492	37.104	0.67	31.1
260	-0.091	-0.101	34.588	27.779	32.494	37.103	1.03	30.8
265	-0.015	-0.025	34.598	27.783	32.496	37.102	1.49	30.5

## CAMP 36





### potential temperature



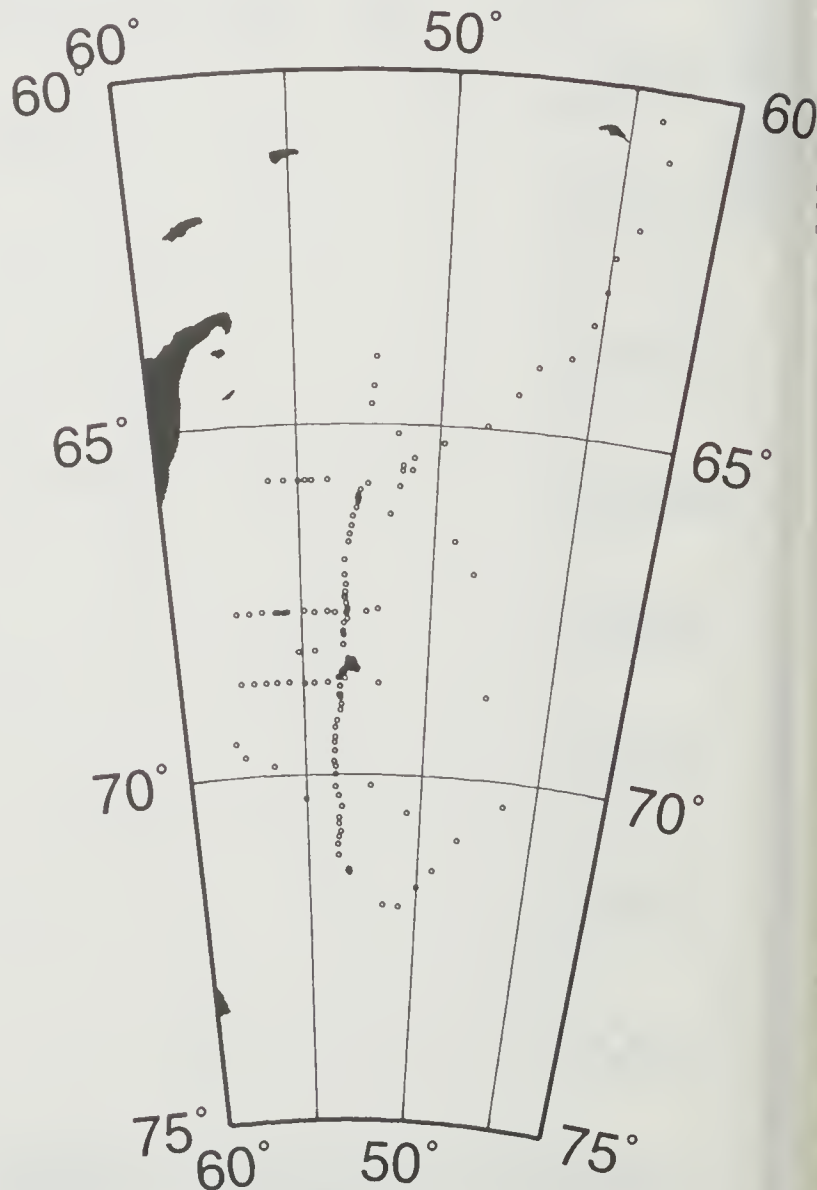
ISW-I -68.4238 -53.0650 92/04/18 109 17:00 CAMP STA# 37

bottom depth = 2820

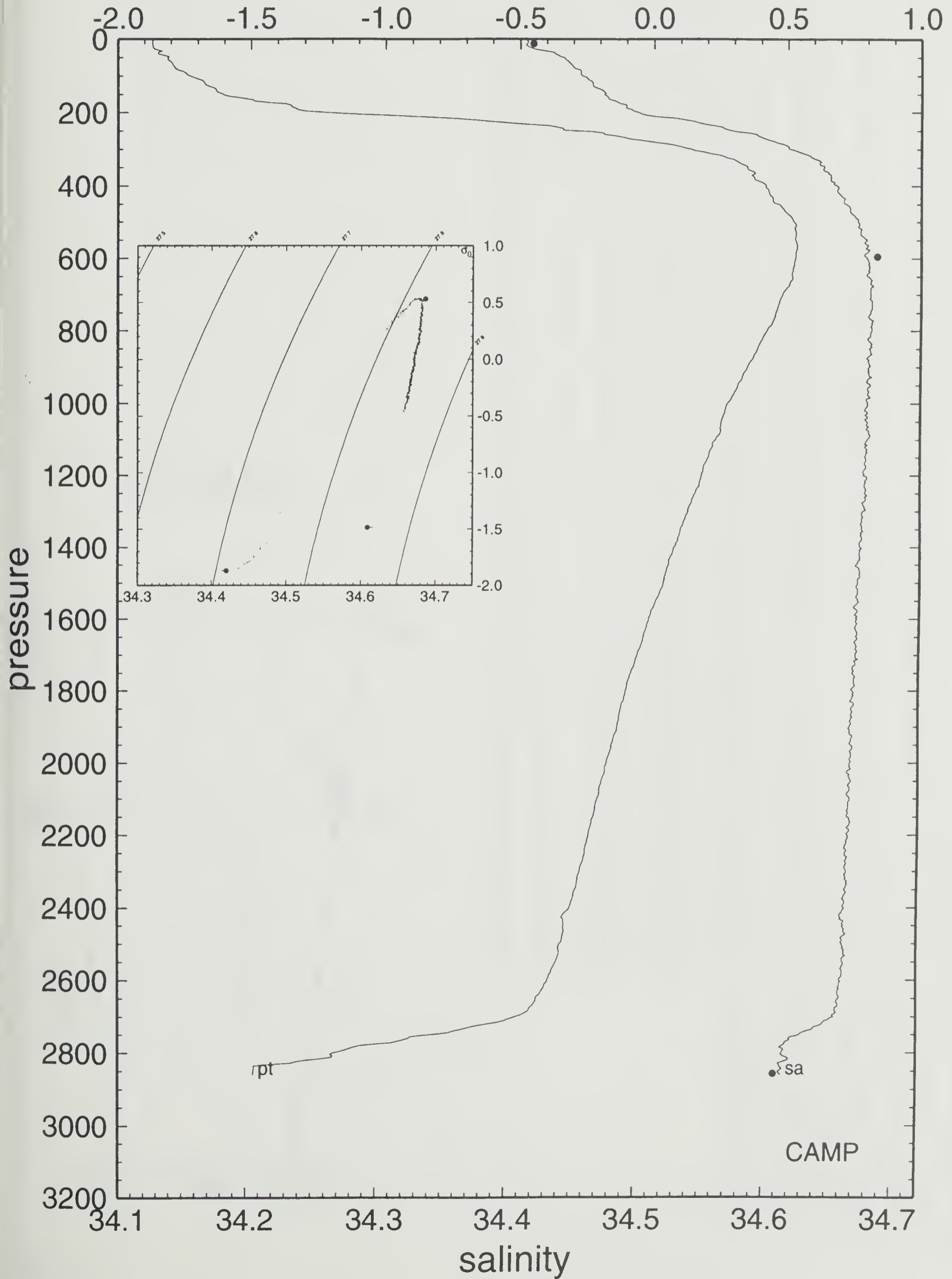
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.859	-1.859	34.411	27.704	32.474	37.137	0.00	38.1
10	-1.869	-1.869	34.416	27.708	32.479	37.142	1.16	37.6
20	-1.868	-1.868	34.416	27.708	32.479	37.142	-0.08	37.6
30	-1.848	-1.849	34.425	27.715	32.485	37.148	1.46	36.9
40	-1.848	-1.849	34.437	27.725	32.495	37.157	1.75	35.9
50	-1.809	-1.810	34.443	27.728	32.497	37.159	1.09	35.5
60	-1.802	-1.803	34.447	27.732	32.500	37.161	0.98	35.1
70	-1.791	-1.792	34.450	27.734	32.502	37.163	0.82	34.9
80	-1.782	-1.784	34.452	27.735	32.503	37.163	0.65	34.7
90	-1.749	-1.751	34.457	27.738	32.505	37.164	0.98	34.3
100	-1.726	-1.728	34.458	27.738	32.504	37.163	0.18	34.3
110	-1.691	-1.693	34.463	27.741	32.506	37.164	0.96	33.9
120	-1.673	-1.676	34.466	27.743	32.508	37.165	0.76	33.7
130	-1.648	-1.651	34.467	27.744	32.507	37.163	-0.05	33.6
140	-1.629	-1.632	34.474	27.749	32.511	37.167	1.26	33.1
150	-1.602	-1.605	34.476	27.749	32.511	37.166	0.47	33.0
160	-1.538	-1.542	34.478	27.749	32.509	37.162	-0.44	33.0
170	-1.461	-1.465	34.484	27.752	32.509	37.160	0.80	32.8
180	-1.349	-1.353	34.492	27.754	32.508	37.155	0.83	32.5
190	-1.326	-1.331	34.494	27.755	32.509	37.155	0.48	32.4
200	-1.214	-1.219	34.501	27.757	32.507	37.150	0.59	32.2
210	-0.893	-0.899	34.512	27.754	32.494	37.127	-1.28	32.7
220	-0.666	-0.673	34.536	27.764	32.497	37.123	1.63	31.9
230	-0.502	-0.510	34.550	27.768	32.496	37.117	0.95	31.6
240	-0.359	-0.367	34.566	27.774	32.497	37.114	1.28	31.1
250	-0.275	-0.284	34.575	27.778	32.498	37.112	0.90	30.8
260	-0.176	-0.185	34.592	27.786	32.504	37.115	1.59	30.0
270	-0.089	-0.099	34.597	27.786	32.501	37.109	-0.57	30.1
280	-0.002	-0.013	34.606	27.789	32.501	37.107	0.80	29.9
290	0.088	0.077	34.615	27.791	32.501	37.104	0.73	29.8
300	0.148	0.136	34.617	27.790	32.497	37.099	-0.82	30.0
325	0.290	0.277	34.635	27.796	32.500	37.097	0.82	29.5
350	0.361	0.347	34.645	27.801	32.502	37.097	0.65	29.2
375	0.385	0.369	34.650	27.803	32.504	37.098	0.55	29.0
400	0.433	0.416	34.655	27.805	32.504	37.097	0.31	28.9
425	0.447	0.429	34.657	27.805	32.504	37.097	0.30	28.9
450	0.475	0.456	34.661	27.807	32.505	37.097	0.40	28.8
475	0.514	0.493	34.666	27.809	32.505	37.096	0.40	28.7
500	0.543	0.521	34.671	27.811	32.507	37.097	0.49	28.5
550	0.553	0.528	34.677	27.816	32.511	37.101	0.51	28.2
600	0.556	0.529	34.678	27.816	32.512	37.102	0.22	28.2
650	0.547	0.517	34.679	27.818	32.514	37.104	0.33	28.1
700	0.512	0.480	34.681	27.822	32.519	37.110	0.53	27.7
750	0.491	0.456	34.681	27.823	32.521	37.113	0.34	27.6
800	0.458	0.421	34.682	27.826	32.525	37.118	0.48	27.3
850	0.426	0.387	34.681	27.827	32.527	37.121	0.36	27.2
900	0.392	0.350	34.680	27.829	32.529	37.124	0.37	27.0
950	0.359	0.315	34.681	27.831	32.533	37.129	0.49	26.7
1000	0.323	0.276	34.679	27.832	32.535	37.132	0.33	26.6
1100	0.285	0.233	34.679	27.834	32.539	37.137	0.34	26.3
1200	0.238	0.181	34.676	27.835	32.541	37.141	0.27	26.2
1300	0.191	0.128	34.676	27.838	32.545	37.146	0.39	25.8
1400	0.147	0.079	34.674	27.839	32.548	37.150	0.31	25.5
1500	0.112	0.038	34.672	27.839	32.549	37.153	0.27	25.3
1600	0.065	-0.015	34.672	27.842	32.554	37.159	0.40	24.9
1700	0.030	-0.056	34.671	27.844	32.556	37.163	0.32	24.6
1800	-0.006	-0.098	34.669	27.844	32.558	37.166	0.29	24.4
1900	-0.032	-0.130	34.667	27.844	32.559	37.168	0.24	24.2
2000	-0.064	-0.169	34.667	27.846	32.562	37.172	0.36	23.8
2100	-0.092	-0.203	34.667	27.848	32.565	37.176	0.34	23.5
2200	-0.118	-0.236	34.666	27.849	32.567	37.179	0.30	23.2
2300	-0.144	-0.269	34.665	27.850	32.569	37.182	0.31	22.9
2400	-0.175	-0.307	34.664	27.851	32.571	37.185	0.34	22.6
2500	-0.204	-0.343	34.662	27.851	32.572	37.187	0.29	22.3
2600	-0.243	-0.389	34.660	27.851	32.574	37.191	0.36	21.9
2700	-0.355	-0.506	34.656	27.854	32.580	37.200	0.60	20.9
2800	-1.046	-1.190	34.616	27.849	32.597	37.238	1.28	15.8
2860	-1.347	-1.489	34.615	27.859	32.616	37.266	1.35	12.4

PRES	TEMPER	POTEMP	SLINTY	OXYG
13	-1.869	-1.869	34.420	7.365
595	0.557	0.530	34.686	5.070
2857	-1.346	-1.488	34.609	7.246

# CAMP 37



### potential temperature



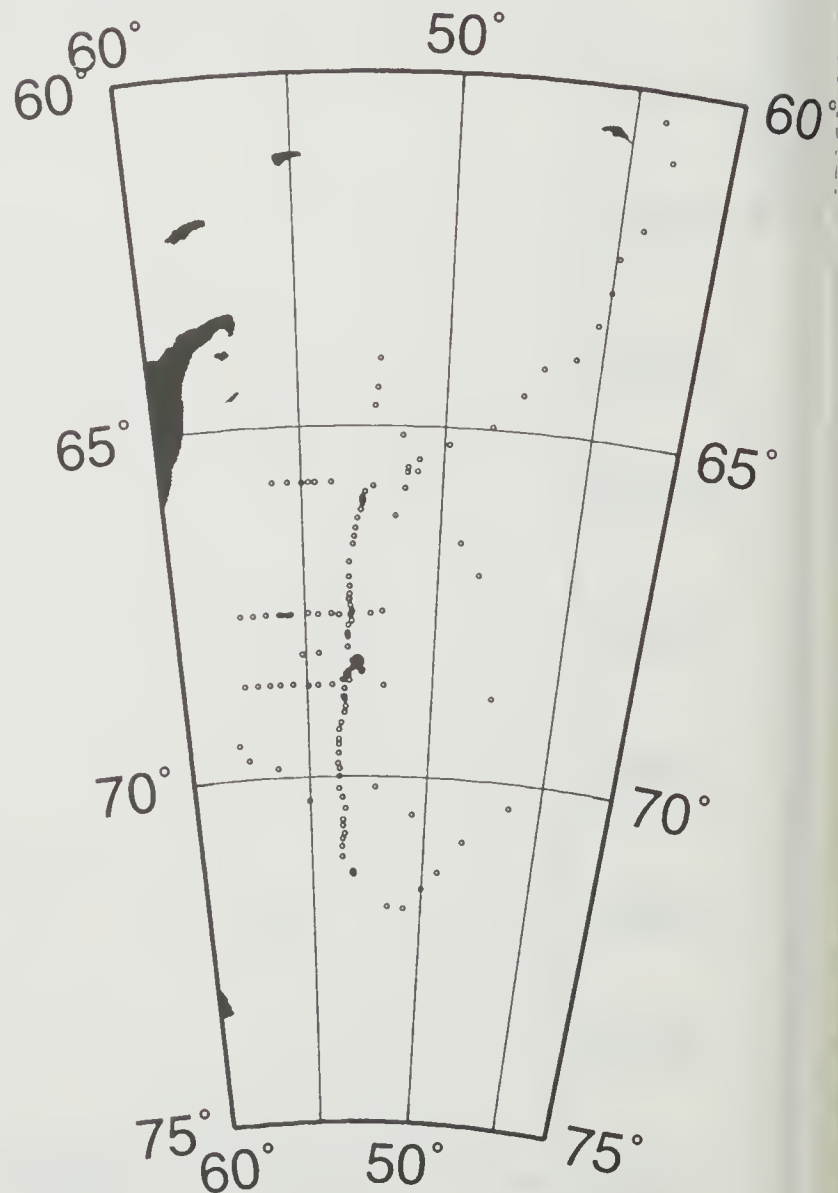
ISW-I -68.3562 -53.0057 92/04/20 111 15:45 CAMP STA# 38

bottom depth = 2835

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.859	-1.859	34.401	27.696	32.466	37.130	0.00	38.9
10	-1.869	-1.869	34.407	27.701	32.472	37.135	1.27	38.3
20	-1.865	-1.865	34.407	27.701	32.471	37.135	-0.18	38.3
30	-1.829	-1.830	34.422	27.712	32.481	37.144	1.87	37.1
40	-1.776	-1.777	34.447	27.731	32.498	37.159	2.43	35.3
50	-1.776	-1.777	34.451	27.734	32.502	37.162	1.01	34.9
60	-1.765	-1.766	34.455	27.737	32.504	37.164	0.96	34.6
70	-1.757	-1.758	34.458	27.739	32.506	37.166	0.83	34.3
80	-1.740	-1.742	34.457	27.738	32.504	37.164	-0.64	34.4
90	-1.717	-1.719	34.463	27.742	32.508	37.166	1.14	34.0
100	-1.709	-1.711	34.466	27.744	32.510	37.168	0.83	33.7
110	-1.705	-1.707	34.465	27.744	32.509	37.167	-0.54	33.7
120	-1.681	-1.684	34.468	27.745	32.510	37.167	0.72	33.5
130	-1.640	-1.643	34.470	27.746	32.509	37.165	0.29	33.4
140	-1.557	-1.560	34.473	27.746	32.506	37.160	-0.35	33.4
150	-1.415	-1.419	34.482	27.748	32.505	37.154	0.82	33.2
160	-1.364	-1.368	34.490	27.753	32.508	37.155	1.19	32.7
170	-1.473	-1.477	34.494	27.760	32.518	37.169	1.52	31.9
180	-1.447	-1.451	34.492	27.758	32.515	37.165	-0.90	32.1
190	-1.339	-1.344	34.498	27.759	32.513	37.159	0.46	32.0
200	-1.269	-1.274	34.507	27.764	32.515	37.160	1.18	31.6
210	-1.104	-1.110	34.514	27.764	32.510	37.149	-0.64	31.7
220	-0.963	-0.969	34.526	27.768	32.510	37.145	1.03	31.3
230	-0.708	-0.715	34.539	27.768	32.502	37.129	-0.72	31.4
240	-0.414	-0.422	34.565	27.776	32.501	37.119	1.34	30.9
250	-0.240	-0.249	34.580	27.780	32.499	37.112	0.88	30.6
260	-0.166	-0.175	34.591	27.785	32.502	37.113	1.20	30.2
270	-0.100	-0.110	34.597	27.787	32.502	37.111	0.55	30.1
280	-0.052	-0.062	34.603	27.789	32.503	37.110	0.79	29.9
290	0.057	0.046	34.613	27.791	32.502	37.106	0.67	29.7
300	0.150	0.138	34.622	27.794	32.501	37.103	0.67	29.6
325	0.248	0.235	34.634	27.798	32.502	37.101	0.65	29.3
350	0.322	0.308	34.644	27.802	32.504	37.101	0.63	29.0
375	0.368	0.352	34.647	27.802	32.503	37.098	-0.28	29.1
400	0.397	0.380	34.655	27.807	32.507	37.101	0.75	28.7
425	0.428	0.410	34.657	27.807	32.506	37.099	-0.25	28.7
450	0.465	0.446	34.662	27.808	32.507	37.099	0.43	28.6
475	0.489	0.468	34.667	27.811	32.508	37.100	0.54	28.4
500	0.517	0.495	34.670	27.812	32.509	37.099	0.23	28.4
550	0.509	0.485	34.673	27.815	32.512	37.103	0.45	28.2
600	0.527	0.500	34.674	27.815	32.511	37.102	-0.15	28.3
650	0.536	0.506	34.680	27.819	32.515	37.106	0.52	27.9
700	0.512	0.480	34.681	27.822	32.519	37.110	0.43	27.7
750	0.493	0.458	34.682	27.824	32.521	37.113	0.40	27.5
800	0.457	0.420	34.681	27.825	32.524	37.117	0.38	27.4
850	0.426	0.387	34.679	27.826	32.525	37.119	0.27	27.3
900	0.400	0.358	34.679	27.827	32.528	37.122	0.39	27.2
950	0.369	0.325	34.679	27.829	32.531	37.126	0.42	26.9
1000	0.345	0.298	34.676	27.828	32.531	37.127	-0.08	27.0
1100	0.281	0.229	34.677	27.833	32.537	37.136	0.46	26.4
1200	0.241	0.183	34.673	27.832	32.538	37.138	0.17	26.4
1300	0.197	0.134	34.673	27.835	32.542	37.143	0.38	26.0
1400	0.160	0.091	34.671	27.836	32.544	37.147	0.28	25.9
1500	0.116	0.042	34.672	27.839	32.549	37.153	0.42	25.4
1600	0.077	-0.003	34.670	27.840	32.551	37.156	0.30	25.2
1700	0.044	-0.042	34.670	27.842	32.554	37.161	0.35	24.8
1800	0.013	-0.079	34.666	27.841	32.554	37.162	0.15	24.8
1900	-0.018	-0.117	34.666	27.843	32.557	37.166	0.35	24.4
2000	-0.045	-0.150	34.664	27.843	32.558	37.168	0.25	24.2
2100	-0.069	-0.181	34.663	27.844	32.560	37.171	0.28	24.0
2200	-0.096	-0.214	34.663	27.845	32.563	37.174	0.34	23.7
2300	-0.124	-0.249	34.662	27.846	32.565	37.177	0.32	23.4
2400	-0.144	-0.276	34.662	27.848	32.567	37.180	0.32	23.1
2500	-0.169	-0.308	34.662	27.849	32.570	37.184	0.35	22.7
2600	-0.204	-0.350	34.659	27.849	32.570	37.186	0.30	22.5
2700	-0.312	-0.464	34.650	27.847	32.572	37.191	0.47	21.8
2800	-0.712	-0.863	34.616	27.837	32.574	37.205	0.85	19.5
2870	-1.310	-1.454	34.616	27.858	32.614	37.263	1.79	12.7

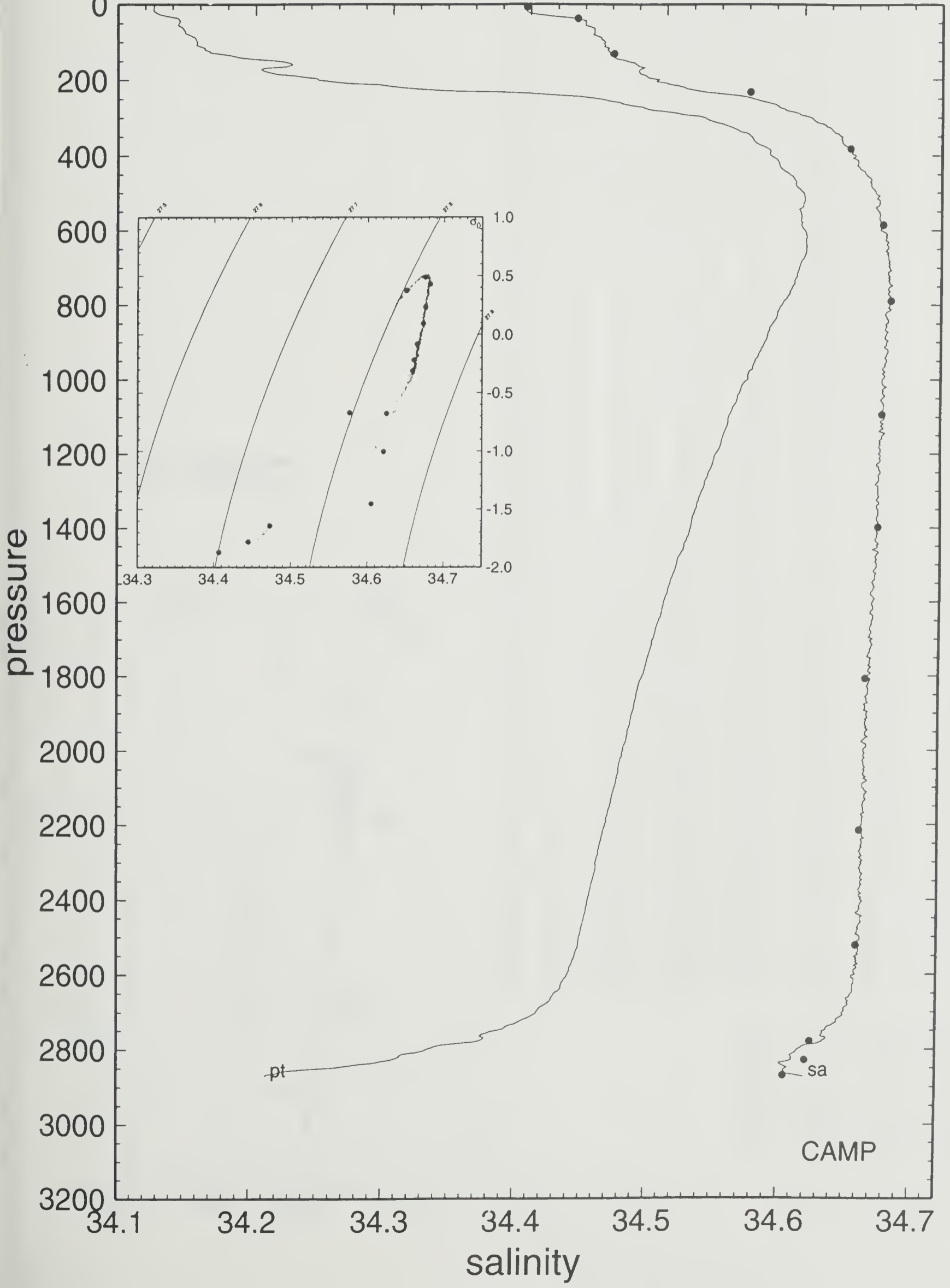
PRES	TEMPER	POTEMP	SLINTY	OXYG
8	-1.869	-1.869	34.407	7.059
38	-1.779	-1.780	34.445	7.153
130	-1.640	-1.643	34.473	6.917
231	-0.663	-0.670	34.576	5.884
383	0.389	0.373	34.651	5.323
586	0.514	0.488	34.676	5.191
789	0.464	0.428	34.682	5.003
1094	0.285	0.233	34.676	5.199
1399	0.160	0.091	34.673	5.241
1807	0.009	-0.084	34.665	5.523
2215	-0.102	-0.221	34.661	5.601
2522	-0.171	-0.312	34.659	5.573
2778	-0.525	-0.679	34.625	6.286
2829	-0.857	-1.007	34.621	6.184
2870	-1.310	-1.454	34.605	7.104

# CAMP 38



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-I -68.4797 -52.8382 92/04/24 115 16:33 CAMP STA# 39

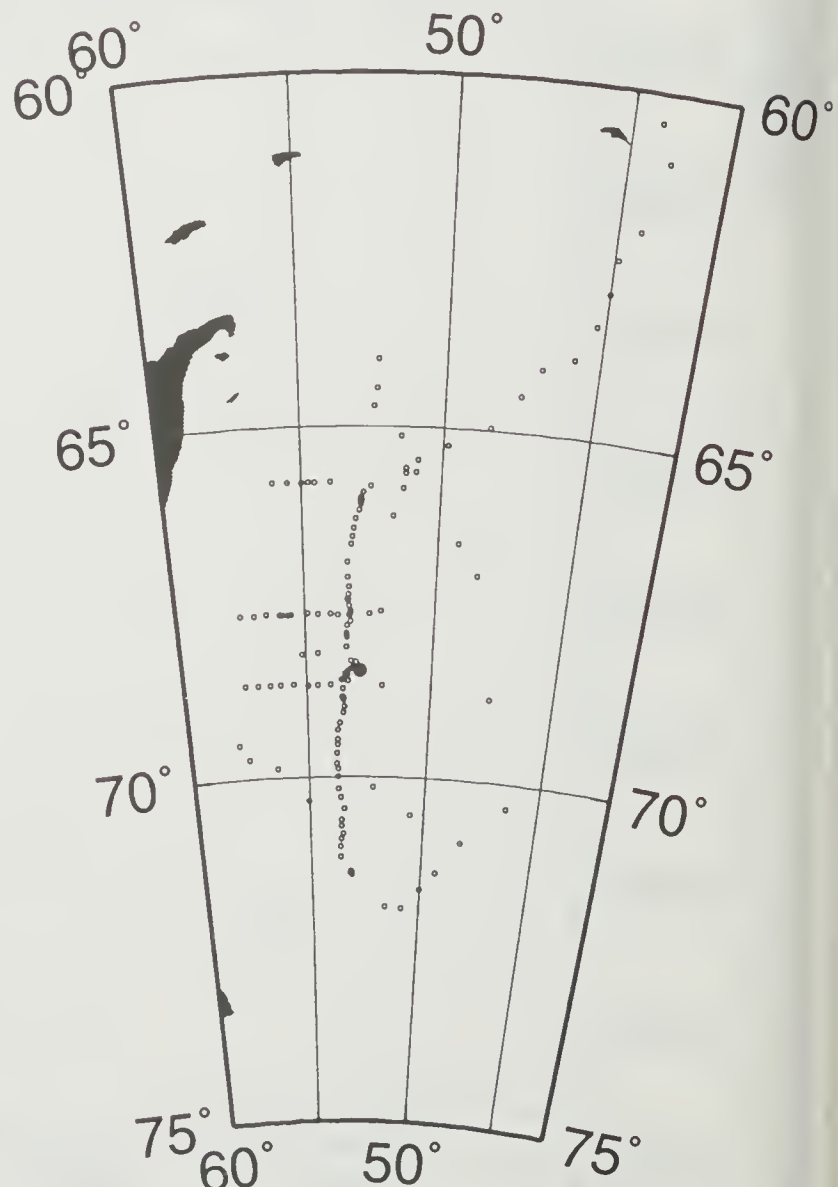
bottom depth = 2885

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.878	-1.878	34.370	27.671	32.442	37.107	0.00	41.2
10	-1.883	-1.883	34.369	27.670	32.442	37.106	-0.46	41.2
20	-1.884	-1.884	34.370	27.671	32.443	37.107	0.51	41.1
30	-1.883	-1.884	34.372	27.673	32.444	37.109	0.71	40.9
40	-1.880	-1.881	34.376	27.676	32.447	37.112	1.00	40.5
50	-1.877	-1.878	34.385	27.683	32.454	37.118	1.51	39.7
60	-1.858	-1.859	34.391	27.687	32.458	37.122	1.17	39.3
70	-1.809	-1.810	34.412	27.703	32.472	37.134	2.22	37.7
80	-1.765	-1.767	34.442	27.726	32.494	37.154	2.69	35.5
90	-1.762	-1.764	34.451	27.734	32.501	37.161	1.50	34.7
100	-1.741	-1.743	34.454	27.736	32.502	37.161	0.75	34.5
110	-1.725	-1.727	34.457	27.738	32.504	37.162	0.78	34.3
120	-1.738	-1.741	34.459	27.740	32.506	37.165	0.80	34.0
130	-1.726	-1.729	34.457	27.738	32.504	37.162	-0.79	34.2
140	-1.701	-1.704	34.463	27.742	32.507	37.165	1.13	33.7
150	-1.691	-1.694	34.465	27.743	32.508	37.166	0.64	33.5
160	-1.644	-1.648	34.468	27.744	32.508	37.164	0.52	33.4
170	-1.564	-1.568	34.473	27.746	32.507	37.160	0.63	33.2
180	-1.504	-1.508	34.479	27.749	32.508	37.160	0.92	32.9
190	-1.467	-1.472	34.482	27.750	32.508	37.159	0.57	32.8
200	-1.401	-1.406	34.485	27.751	32.506	37.155	-0.17	32.8
210	-1.211	-1.217	34.494	27.751	32.501	37.144	-0.36	32.7
220	-1.172	-1.178	34.507	27.761	32.509	37.150	1.67	31.9
230	-1.027	-1.033	34.515	27.762	32.505	37.142	0.17	31.8
240	-0.925	-0.932	34.523	27.764	32.505	37.139	0.75	31.6
250	-0.784	-0.792	34.535	27.768	32.504	37.134	0.96	31.3
260	-0.525	-0.534	34.550	27.769	32.497	37.119	-0.60	31.4
270	-0.315	-0.324	34.566	27.772	32.494	37.110	0.67	31.3
280	-0.205	-0.215	34.578	27.777	32.495	37.107	1.03	30.9
290	-0.089	-0.100	34.594	27.784	32.498	37.107	1.38	30.3
300	-0.067	-0.078	34.599	27.787	32.501	37.109	0.92	30.1
325	0.158	0.145	34.618	27.790	32.497	37.099	0.40	29.9
350	0.252	0.238	34.632	27.796	32.501	37.099	0.81	29.5
375	0.353	0.337	34.642	27.799	32.500	37.096	0.40	29.4
400	0.385	0.368	34.647	27.801	32.501	37.096	0.49	29.2
425	0.428	0.410	34.652	27.803	32.502	37.095	0.37	29.1
450	0.452	0.433	34.657	27.805	32.504	37.096	0.55	28.9
475	0.481	0.460	34.660	27.806	32.504	37.096	0.22	28.9
500	0.514	0.492	34.665	27.808	32.505	37.096	0.46	28.8
550	0.550	0.525	34.673	27.813	32.508	37.098	0.49	28.5
600	0.576	0.549	34.674	27.812	32.507	37.096	-0.25	28.6
650	0.562	0.532	34.676	27.815	32.510	37.100	0.43	28.4
700	0.546	0.514	34.678	27.817	32.513	37.103	0.44	28.2
750	0.513	0.478	34.679	27.820	32.517	37.108	0.48	27.9
800	0.483	0.446	34.678	27.821	32.519	37.111	0.34	27.8
850	0.451	0.411	34.678	27.823	32.522	37.115	0.42	27.6
900	0.425	0.383	34.676	27.823	32.523	37.117	0.22	27.6
950	0.396	0.351	34.678	27.827	32.528	37.122	0.52	27.2
1000	0.368	0.321	34.677	27.828	32.529	37.125	0.34	27.1
1100	0.311	0.259	34.674	27.829	32.532	37.130	0.31	26.9
1200	0.262	0.204	34.675	27.833	32.538	37.137	0.42	26.4
1300	0.224	0.161	34.673	27.834	32.540	37.140	0.27	26.3
1400	0.184	0.115	34.672	27.835	32.543	37.145	0.33	26.0
1500	0.142	0.067	34.670	27.836	32.545	37.149	0.31	25.8
1600	0.108	0.027	34.671	27.839	32.550	37.154	0.38	25.4
1700	0.071	-0.015	34.670	27.841	32.552	37.158	0.33	25.1
1800	0.041	-0.052	34.667	27.840	32.553	37.160	0.21	25.0
1900	0.012	-0.087	34.568	27.843	32.557	37.164	0.38	24.6
2000	-0.017	-0.122	34.668	27.845	32.559	37.168	0.35	24.2
2100	-0.041	-0.153	34.666	27.845	32.560	37.170	0.24	24.1
2200	-0.061	-0.180	34.664	27.844	32.561	37.171	0.21	24.0
2300	-0.085	-0.211	34.666	27.848	32.565	37.176	0.40	23.5
2400	-0.116	-0.249	34.664	27.848	32.566	37.179	0.30	23.2
2500	-0.141	-0.281	34.663	27.849	32.568	37.182	0.31	23.0
2600	-0.169	-0.316	34.660	27.848	32.569	37.183	0.25	22.8
2700	-0.244	-0.397	34.657	27.849	32.573	37.189	0.49	22.1
2800	-0.401	-0.559	34.648	27.850	32.578	37.199	0.65	20.8
2900	-1.180	-1.329	34.606	27.846	32.598	37.243	1.40	14.8
2920	-1.343	-1.490	34.614	27.858	32.615	37.265	2.00	12.3

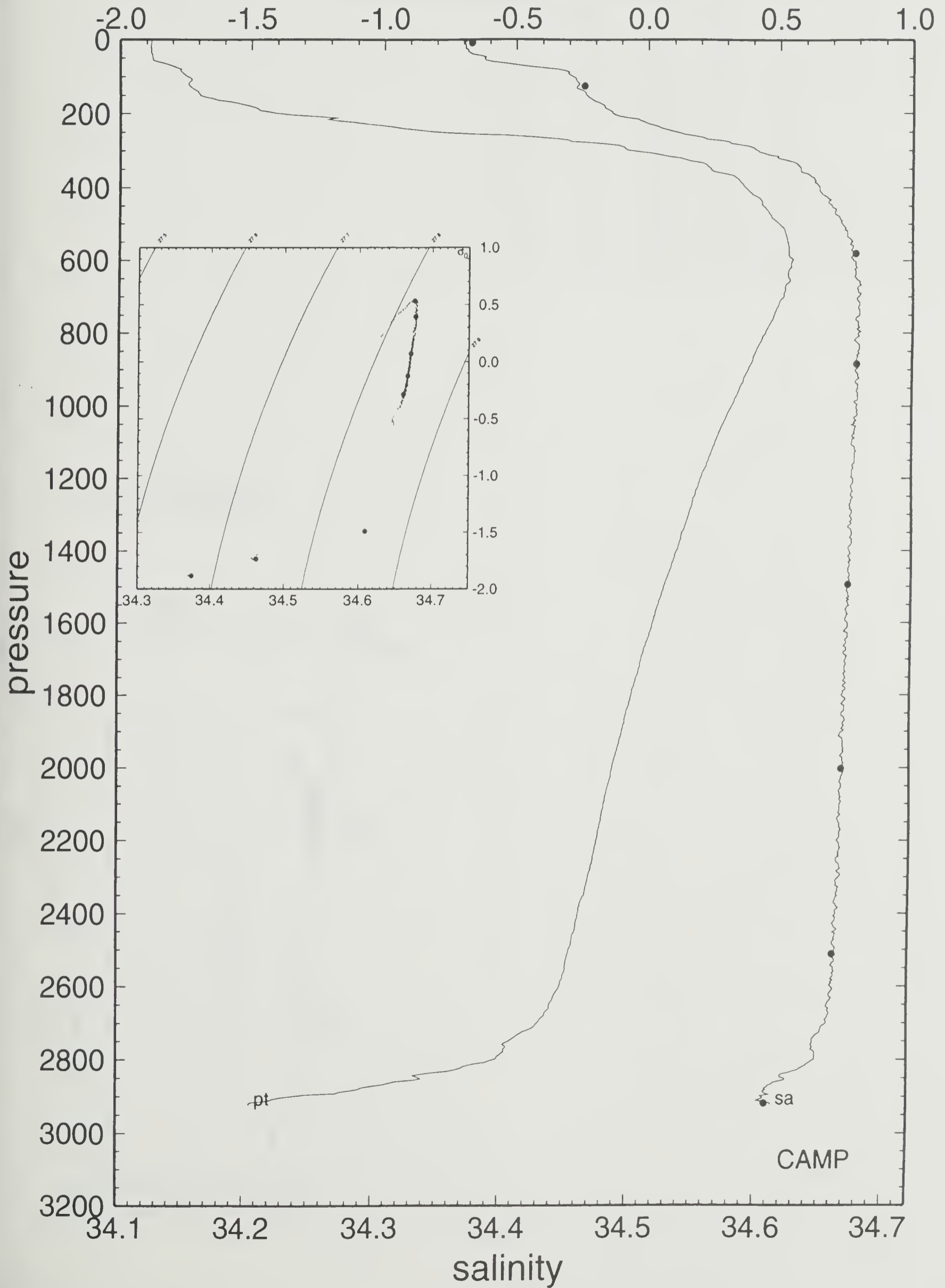
  

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.883	-1.883	34.375	7.100
125	-1.733	-1.736	34.463	6.736
581	0.557	0.531	34.676	5.335
885	0.434	0.393	34.677	5.119
1495	0.144	0.070	34.671	5.177
2003	-0.018	-0.124	34.667	5.599
2512	-0.145	-0.286	34.661	5.756
2920	-1.343	-1.489	34.609	7.202

# CAMP 39



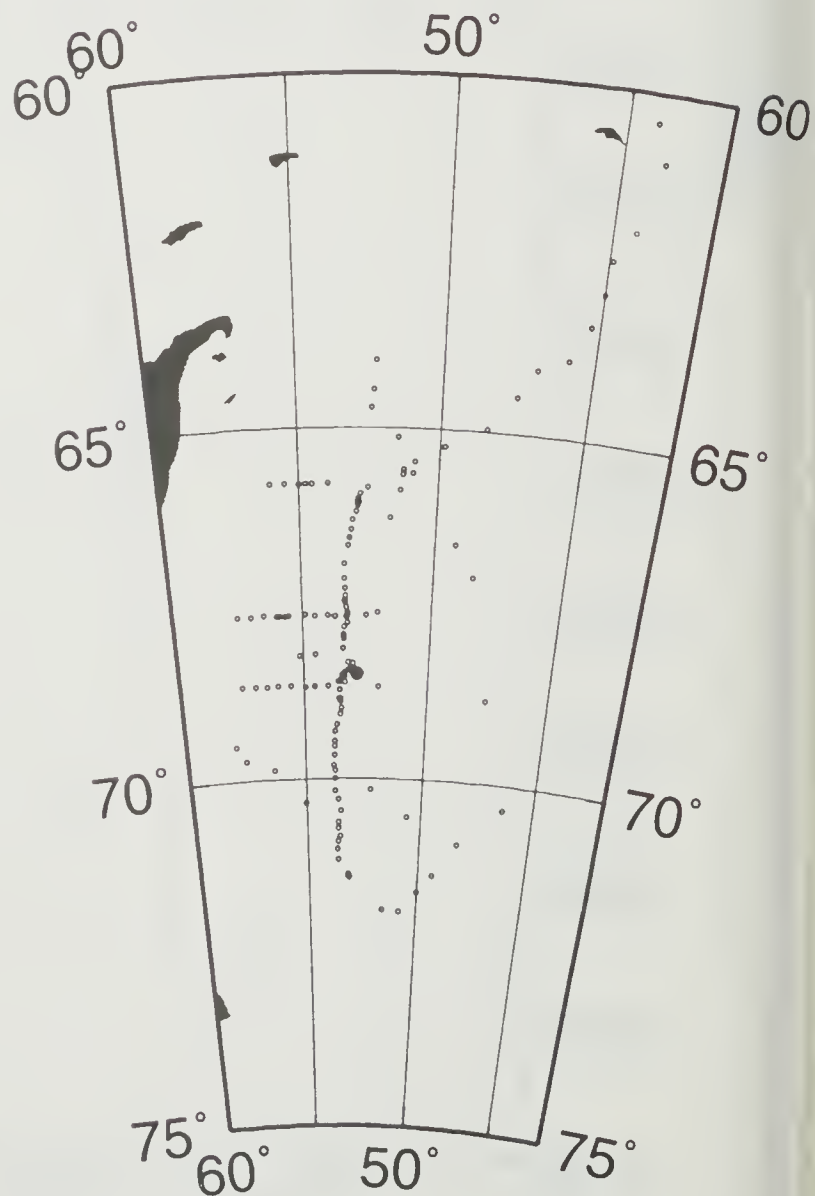
potential temperature



ISW-I -68.4993 -52.8495 92/04/25 116 14:47 CAMP STA# 40  
 bottom depth = 2879

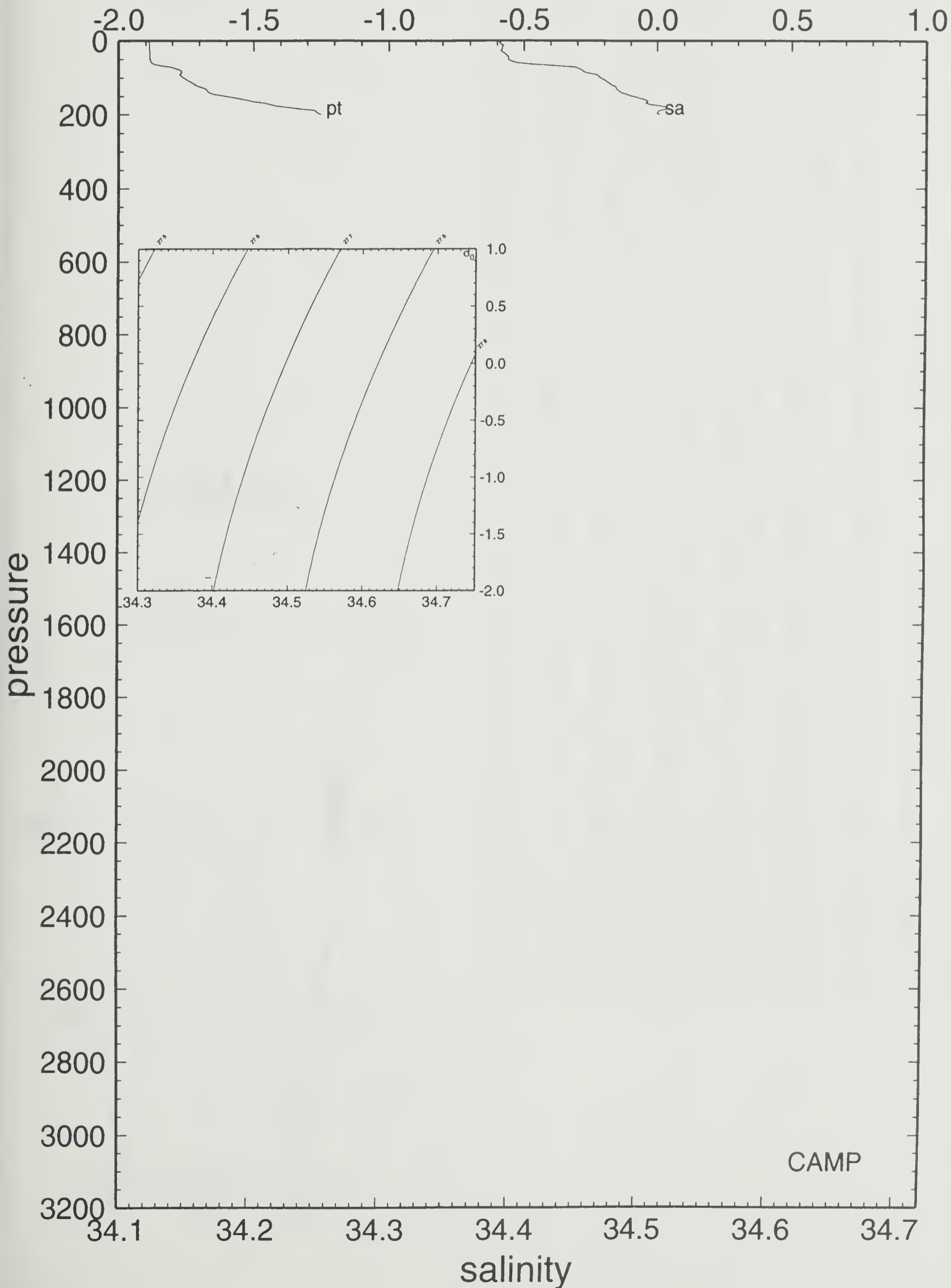
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.887	-1.887	34.389	27.687	32.458	37.122	0.00	39.7
10	-1.887	-1.887	34.393	27.690	32.461	37.126	1.01	39.4
20	-1.886	-1.886	34.393	27.690	32.461	37.126	-0.08	39.3
30	-1.885	-1.886	34.393	27.690	32.461	37.126	-0.08	39.2
40	-1.885	-1.886	34.397	27.693	32.465	37.129	1.01	38.9
50	-1.883	-1.884	34.398	27.694	32.465	37.129	0.49	38.7
60	-1.876	-1.877	34.405	27.699	32.471	37.134	1.31	38.2
70	-1.821	-1.822	34.442	27.728	32.497	37.159	2.99	35.4
80	-1.767	-1.769	34.455	27.737	32.504	37.164	1.68	34.5
90	-1.770	-1.772	34.463	27.744	32.511	37.171	1.44	33.8
100	-1.756	-1.758	34.469	27.748	32.515	37.175	1.18	33.3
110	-1.735	-1.737	34.473	27.751	32.517	37.176	0.90	33.0
120	-1.710	-1.713	34.478	27.754	32.520	37.178	1.01	32.7
130	-1.676	-1.679	34.481	27.756	32.520	37.177	0.65	32.5
140	-1.660	-1.663	34.485	27.758	32.522	37.179	0.92	32.2
150	-1.599	-1.602	34.494	27.764	32.526	37.180	1.28	31.6
160	-1.527	-1.531	34.504	27.770	32.529	37.182	1.32	31.0
170	-1.445	-1.449	34.506	27.769	32.526	37.176	-0.66	31.1
180	-1.376	-1.380	34.520	27.778	32.533	37.180	1.65	30.3
190	-1.266	-1.271	34.514	27.769	32.521	37.165	-1.70	31.1
200	-1.244	-1.249	34.515	27.770	32.520	37.164	-0.16	31.1

## CAMP 40





### potential temperature

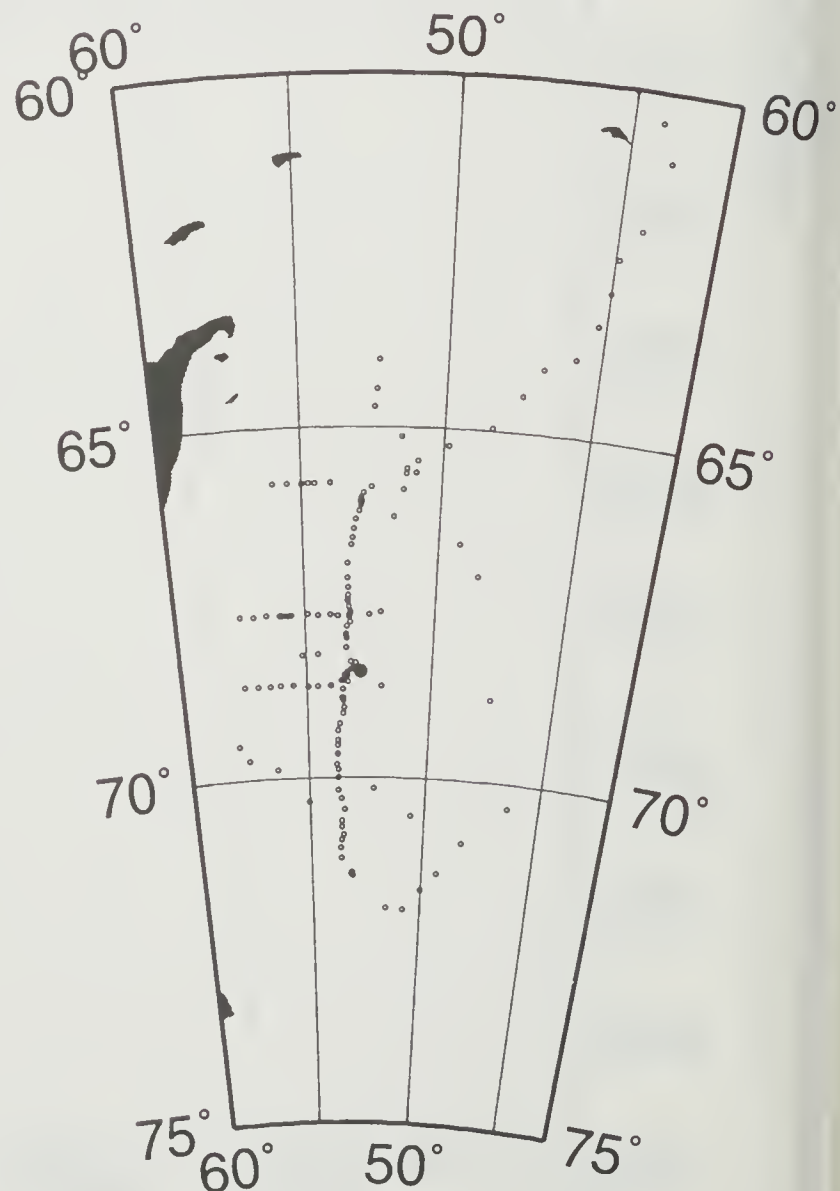


ISW-I -68.4708 -52.8132 92/04/26 117 22:03 CAMP STA# 41

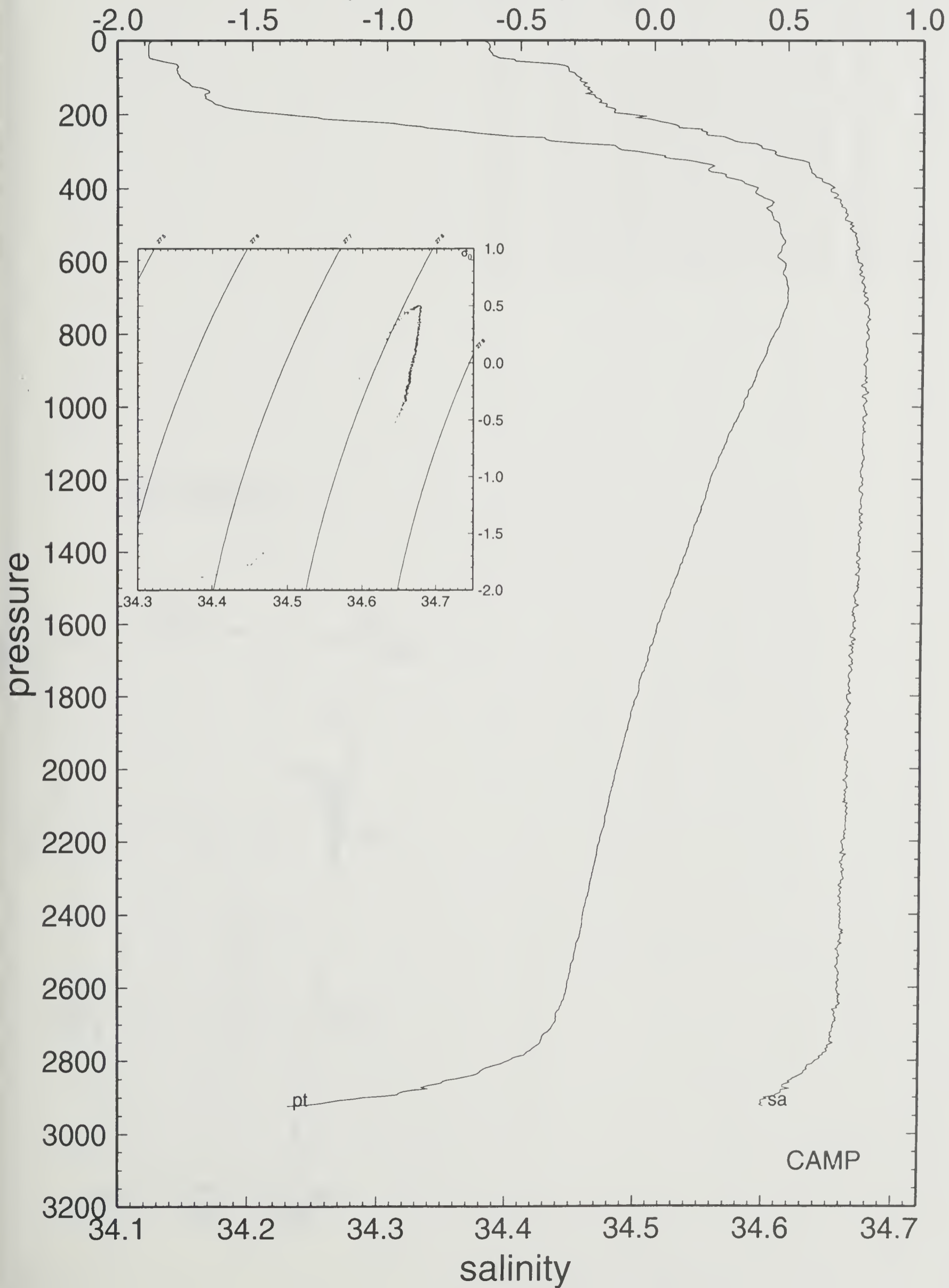
bottom depth = 2905

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.867	-1.867	34.378	27.677	32.448	37.112	0.00	40.6
10	-1.884	-1.884	34.385	27.683	32.455	37.119	1.39	40.0
20	-1.885	-1.885	34.386	27.684	32.456	37.120	0.51	39.8
30	-1.884	-1.885	34.387	27.685	32.456	37.121	0.50	39.7
40	-1.884	-1.885	34.388	27.686	32.457	37.121	0.51	39.6
50	-1.871	-1.872	34.399	27.694	32.465	37.129	1.64	38.7
60	-1.807	-1.808	34.422	27.711	32.480	37.142	2.30	37.0
70	-1.775	-1.776	34.444	27.728	32.496	37.156	2.30	35.4
80	-1.778	-1.780	34.447	27.731	32.499	37.159	0.89	35.1
90	-1.774	-1.776	34.451	27.734	32.502	37.162	0.99	34.7
100	-1.766	-1.768	34.455	27.737	32.504	37.164	0.97	34.4
110	-1.747	-1.749	34.456	27.737	32.504	37.163	0.27	34.3
120	-1.728	-1.731	34.458	27.738	32.505	37.163	0.57	34.1
130	-1.678	-1.681	34.462	27.740	32.505	37.162	0.71	33.9
140	-1.655	-1.658	34.465	27.742	32.506	37.162	0.72	33.7
150	-1.671	-1.674	34.467	27.744	32.508	37.165	0.82	33.5
160	-1.661	-1.665	34.471	27.747	32.511	37.168	0.95	33.1
170	-1.637	-1.641	34.473	27.748	32.511	37.167	0.50	33.0
180	-1.600	-1.604	34.475	27.749	32.511	37.165	0.32	32.9
190	-1.510	-1.514	34.482	27.752	32.511	37.163	0.87	32.6
200	-1.382	-1.387	34.494	27.757	32.512	37.160	1.23	32.1
210	-1.245	-1.250	34.504	27.761	32.511	37.155	0.90	31.8
220	-1.049	-1.055	34.518	27.765	32.509	37.147	0.95	31.5
230	-0.894	-0.901	34.531	27.769	32.509	37.142	1.03	31.2
240	-0.786	-0.793	34.550	27.780	32.517	37.146	1.78	30.2
250	-0.655	-0.663	34.554	27.778	32.510	37.136	-1.02	30.5
260	-0.528	-0.537	34.566	27.782	32.510	37.132	0.98	30.2
270	-0.389	-0.398	34.574	27.782	32.506	37.124	-0.58	30.3
280	-0.250	-0.260	34.592	27.790	32.510	37.123	1.45	29.6
290	-0.128	-0.139	34.596	27.787	32.503	37.113	-1.10	30.0
300	-0.057	-0.068	34.606	27.792	32.505	37.113	1.09	29.6
325	0.137	0.124	34.624	27.796	32.504	37.106	0.55	29.4
350	0.213	0.199	34.633	27.799	32.505	37.104	0.54	29.1
375	0.307	0.292	34.641	27.800	32.503	37.100	0.17	29.1
400	0.404	0.387	34.652	27.804	32.504	37.098	0.53	28.9
425	0.421	0.403	34.653	27.804	32.503	37.097	-0.20	29.0
450	0.454	0.435	34.658	27.806	32.504	37.097	0.47	28.9
475	0.460	0.439	34.662	27.809	32.507	37.100	0.60	28.6
500	0.489	0.467	34.664	27.809	32.506	37.098	-0.23	28.7
550	0.513	0.489	34.669	27.812	32.508	37.099	0.39	28.5
600	0.507	0.480	34.670	27.813	32.510	37.101	0.30	28.4
650	0.524	0.494	34.674	27.815	32.512	37.103	0.36	28.3
700	0.531	0.499	34.677	27.817	32.514	37.104	0.36	28.2
750	0.516	0.481	34.679	27.820	32.517	37.108	0.43	27.9
800	0.487	0.450	34.678	27.821	32.519	37.111	0.33	27.8
850	0.463	0.423	34.678	27.823	32.521	37.114	0.37	27.7
900	0.431	0.389	34.677	27.824	32.523	37.117	0.36	27.5
950	0.405	0.360	34.677	27.826	32.526	37.121	0.39	27.4
1000	0.382	0.335	34.676	27.826	32.527	37.123	0.30	27.3
1100	0.322	0.270	34.675	27.829	32.532	37.130	0.39	26.9
1200	0.270	0.212	34.675	27.832	32.537	37.136	0.40	26.5
1300	0.233	0.170	34.674	27.834	32.540	37.140	0.31	26.3
1400	0.192	0.123	34.672	27.835	32.542	37.144	0.30	26.1
1500	0.146	0.071	34.672	27.838	32.547	37.150	0.40	25.7
1600	0.099	0.019	34.668	27.837	32.548	37.152	0.25	25.5
1700	0.069	-0.017	34.668	27.839	32.551	37.157	0.34	25.2
1800	0.036	-0.057	34.664	27.838	32.551	37.158	0.17	25.1
1900	0.003	-0.096	34.664	27.840	32.554	37.162	0.36	24.8
2000	-0.027	-0.132	34.664	27.842	32.557	37.166	0.35	24.4
2100	-0.052	-0.164	34.664	27.844	32.560	37.170	0.33	24.1
2200	-0.077	-0.196	34.660	27.842	32.559	37.170	0.12	24.1
2300	-0.100	-0.226	34.662	27.845	32.563	37.175	0.40	23.6
2400	-0.124	-0.257	34.659	27.844	32.563	37.176	0.20	23.5
2500	-0.145	-0.285	34.658	27.845	32.564	37.178	0.29	23.3
2600	-0.168	-0.315	34.658	27.846	32.567	37.181	0.34	22.9
2700	-0.211	-0.365	34.655	27.846	32.568	37.184	0.35	22.6
2800	-0.376	-0.534	34.641	27.843	32.570	37.191	0.58	21.6
2900	-0.928	-1.082	34.602	27.834	32.579	37.216	1.10	17.9
2920	-1.137	-1.288	34.598	27.838	32.589	37.233	1.86	15.8

# CAMP 41



### potential temperature

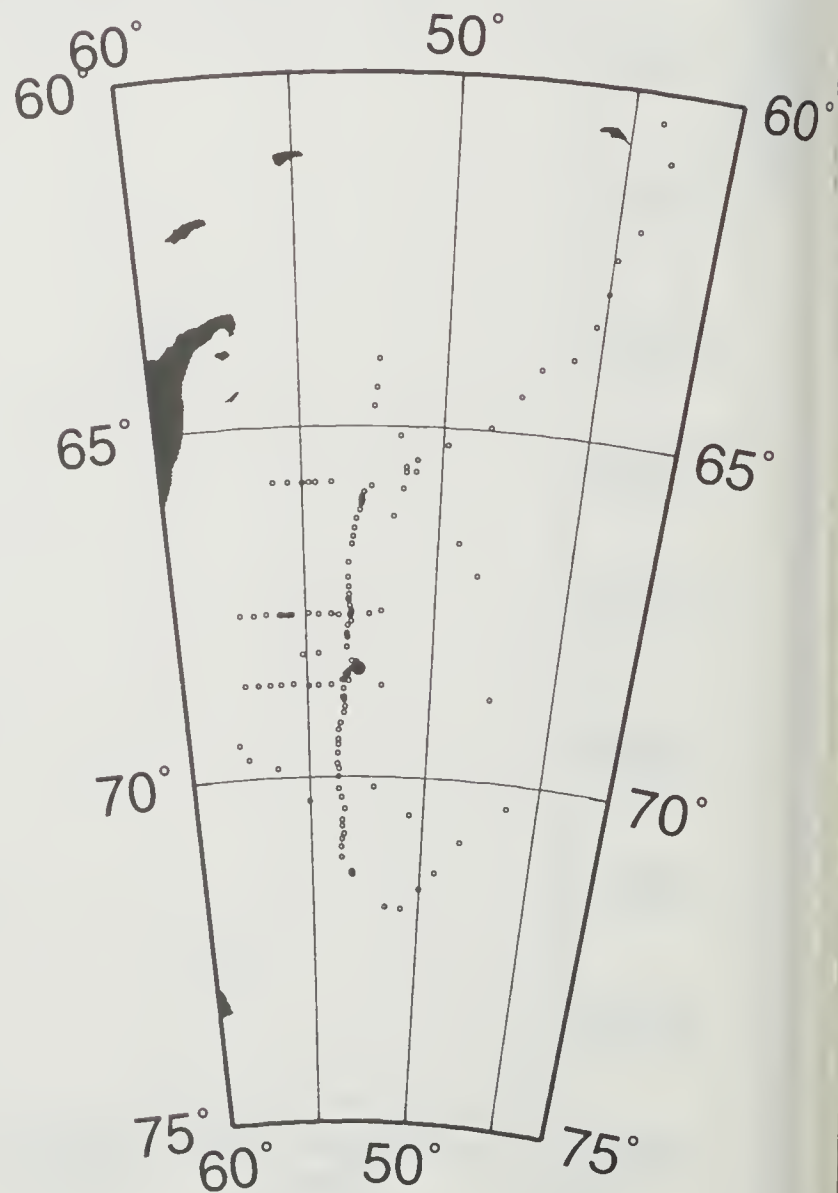


ISW-I -68.4462 -52.9227 92/04/27 118 15:25 CAMP STA# 42

bottom depth = 2869

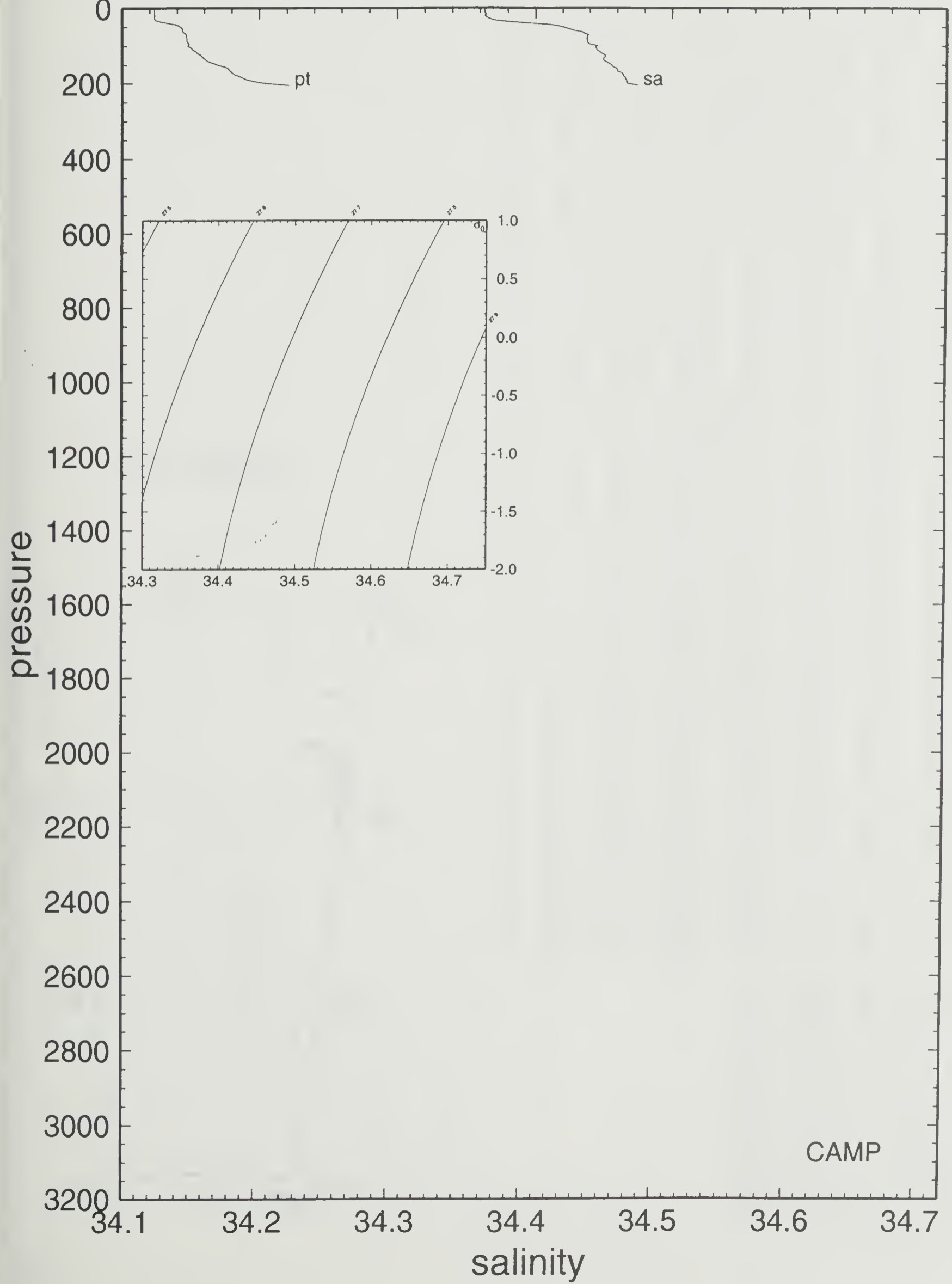
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.883	-1.883	34.373	27.673	32.445	37.109	0.00	41.0
10	-1.883	-1.883	34.372	27.673	32.444	37.109	-0.50	41.0
20	-1.882	-1.882	34.372	27.673	32.444	37.109	-0.08	40.9
30	-1.880	-1.881	34.377	27.677	32.448	37.112	1.12	40.5
40	-1.835	-1.836	34.404	27.697	32.467	37.130	2.55	38.5
50	-1.789	-1.790	34.429	27.717	32.485	37.146	2.44	36.6
60	-1.778	-1.779	34.439	27.724	32.492	37.153	1.56	35.8
70	-1.767	-1.768	34.449	27.732	32.500	37.160	1.56	35.0
80	-1.764	-1.766	34.449	27.732	32.499	37.159	-0.16	35.0
90	-1.762	-1.764	34.449	27.732	32.499	37.159	-0.13	34.9
100	-1.759	-1.761	34.457	27.739	32.506	37.165	1.42	34.2
110	-1.743	-1.745	34.456	27.737	32.504	37.163	-0.64	34.3
120	-1.722	-1.725	34.460	27.740	32.506	37.164	0.90	34.0
130	-1.705	-1.708	34.463	27.742	32.507	37.165	0.77	33.8
140	-1.687	-1.690	34.462	27.741	32.505	37.163	-0.66	33.8
150	-1.652	-1.655	34.467	27.744	32.507	37.164	0.95	33.5
160	-1.611	-1.615	34.471	27.746	32.508	37.163	0.76	33.3
170	-1.599	-1.603	34.473	27.747	32.509	37.164	0.62	33.1
180	-1.575	-1.579	34.476	27.749	32.510	37.164	0.70	32.9
190	-1.538	-1.542	34.479	27.750	32.510	37.163	0.59	32.8
200	-1.471	-1.476	34.479	27.748	32.506	37.157	-0.88	33.0

## CAMP 42



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

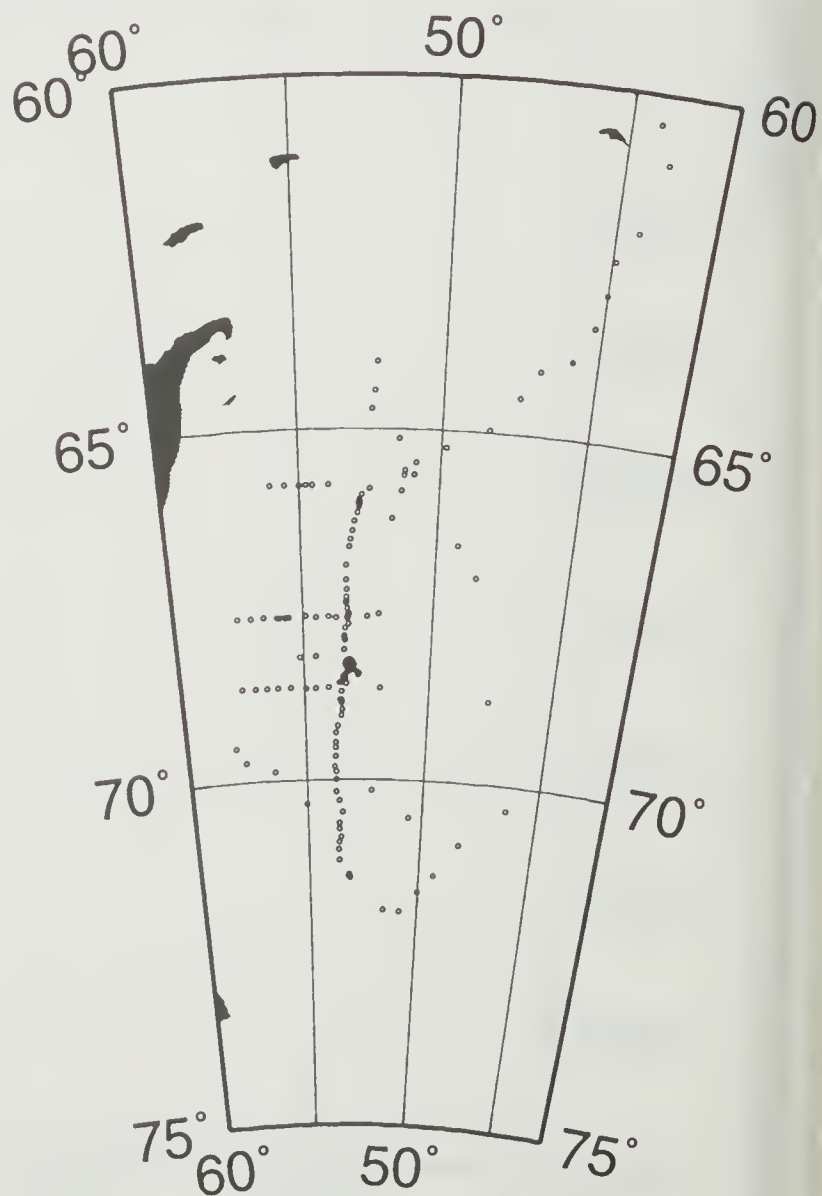


ISW-I -68.3383 -53.1965 92/04/28 119 16:34 CAMP STA# 43  
 bottom depth = 2769

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.883	-1.883	34.376	27.676	32.448	37.112	0.00	40.7
10	-1.884	-1.884	34.374	27.674	32.446	37.110	-0.71	40.8
20	-1.884	-1.884	34.373	27.673	32.445	37.109	-0.50	40.8
30	-1.883	-1.884	34.374	27.674	32.446	37.110	0.50	40.7
40	-1.884	-1.885	34.375	27.675	32.447	37.111	0.51	40.6
50	-1.864	-1.865	34.384	27.682	32.453	37.117	1.46	39.9
60	-1.792	-1.793	34.429	27.717	32.485	37.146	3.29	36.5
70	-1.798	-1.799	34.452	27.735	32.504	37.165	2.43	34.7
80	-1.779	-1.781	34.457	27.739	32.507	37.167	1.05	34.3
90	-1.758	-1.760	34.462	27.743	32.510	37.169	1.04	33.9
100	-1.749	-1.751	34.463	27.743	32.510	37.169	0.41	33.8
110	-1.714	-1.716	34.466	27.745	32.510	37.168	0.65	33.6
120	-1.685	-1.688	34.471	27.748	32.512	37.170	0.99	33.3
130	-1.661	-1.664	34.471	27.747	32.511	37.168	-0.49	33.3
140	-1.612	-1.615	34.477	27.751	32.513	37.168	1.00	32.9
150	-1.410	-1.414	34.486	27.752	32.507	37.156	0.15	32.9
160	-1.333	-1.337	34.494	27.756	32.509	37.155	1.05	32.5
170	-1.259	-1.263	34.500	27.758	32.509	37.153	0.78	32.3
180	-1.206	-1.211	34.507	27.762	32.511	37.154	1.05	31.9
190	-1.185	-1.190	34.508	27.762	32.510	37.152	-0.13	31.9
200	-1.066	-1.072	34.517	27.765	32.510	37.148	0.83	31.6
210	-0.911	-0.917	34.528	27.768	32.508	37.141	0.78	31.4
220	-0.689	-0.696	34.543	27.771	32.504	37.131	0.68	31.2
230	-0.548	-0.555	34.555	27.774	32.503	37.125	0.89	31.0
240	-0.384	-0.392	34.569	27.778	32.502	37.119	0.90	30.7
250	-0.247	-0.256	34.582	27.782	32.501	37.115	0.95	30.4
260	-0.171	-0.180	34.594	27.788	32.505	37.116	1.29	29.9
270	-0.053	-0.063	34.600	27.787	32.500	37.108	-0.81	30.1
280	0.073	0.062	34.613	27.791	32.500	37.104	0.94	29.8
290	0.112	0.101	34.619	27.793	32.502	37.105	0.87	29.6
300	0.164	0.152	34.624	27.795	32.502	37.103	0.49	29.5
325	0.262	0.249	34.638	27.800	32.504	37.103	0.79	29.1
350	0.326	0.312	34.645	27.803	32.505	37.101	0.42	28.9
375	0.364	0.348	34.651	27.805	32.506	37.101	0.54	28.7
400	0.422	0.405	34.657	27.807	32.506	37.100	0.33	28.7
425	0.440	0.422	34.660	27.808	32.507	37.100	0.39	28.6
450	0.465	0.446	34.662	27.808	32.507	37.099	-0.11	28.6
475	0.484	0.463	34.665	27.810	32.507	37.099	0.37	28.5
500	0.486	0.464	34.669	27.813	32.510	37.102	0.63	28.3
550	0.502	0.478	34.672	27.815	32.512	37.103	0.30	28.2
600	0.535	0.508	34.677	27.817	32.513	37.103	0.32	28.1
650	0.538	0.508	34.679	27.818	32.514	37.105	0.31	28.0
700	0.525	0.493	34.681	27.821	32.517	37.108	0.42	27.8
750	0.500	0.465	34.683	27.824	32.522	37.113	0.49	27.5
800	0.468	0.431	34.683	27.826	32.525	37.117	0.42	27.3
850	0.440	0.400	34.681	27.826	32.526	37.119	0.24	27.3
900	0.405	0.363	34.681	27.829	32.529	37.123	0.44	27.0
950	0.375	0.330	34.681	27.830	32.532	37.127	0.41	26.8
1000	0.341	0.294	34.680	27.832	32.534	37.131	0.38	26.7
1100	0.288	0.236	34.678	27.833	32.538	37.136	0.33	26.4
1200	0.244	0.186	34.676	27.835	32.540	37.140	0.30	26.2
1300	0.203	0.140	34.674	27.836	32.542	37.144	0.29	26.0
1400	0.165	0.096	34.675	27.839	32.547	37.149	0.39	25.6
1500	0.128	0.054	34.673	27.839	32.549	37.153	0.28	25.4
1600	0.093	0.013	34.672	27.841	32.552	37.156	0.32	25.2
1700	0.059	-0.027	34.671	27.842	32.554	37.160	0.32	24.9
1800	0.031	-0.062	34.669	27.842	32.555	37.162	0.25	24.7
1900	-0.004	-0.103	34.670	27.845	32.559	37.168	0.40	24.3
2000	-0.030	-0.135	34.667	27.844	32.560	37.169	0.19	24.2
2100	-0.052	-0.164	34.668	27.847	32.563	37.173	0.35	23.8
2200	-0.079	-0.198	34.667	27.848	32.565	37.176	0.31	23.6
2300	-0.104	-0.230	34.664	27.847	32.565	37.177	0.20	23.4
2400	-0.135	-0.267	34.665	27.850	32.569	37.182	0.40	23.0
2500	-0.173	-0.312	34.662	27.849	32.570	37.184	0.31	22.7
2600	-0.248	-0.393	34.655	27.848	32.571	37.187	0.37	22.3
2700	-0.575	-0.721	34.627	27.840	32.573	37.200	0.76	20.5
2795	-1.272	-1.411	34.613	27.855	32.609	37.257	1.53	13.6

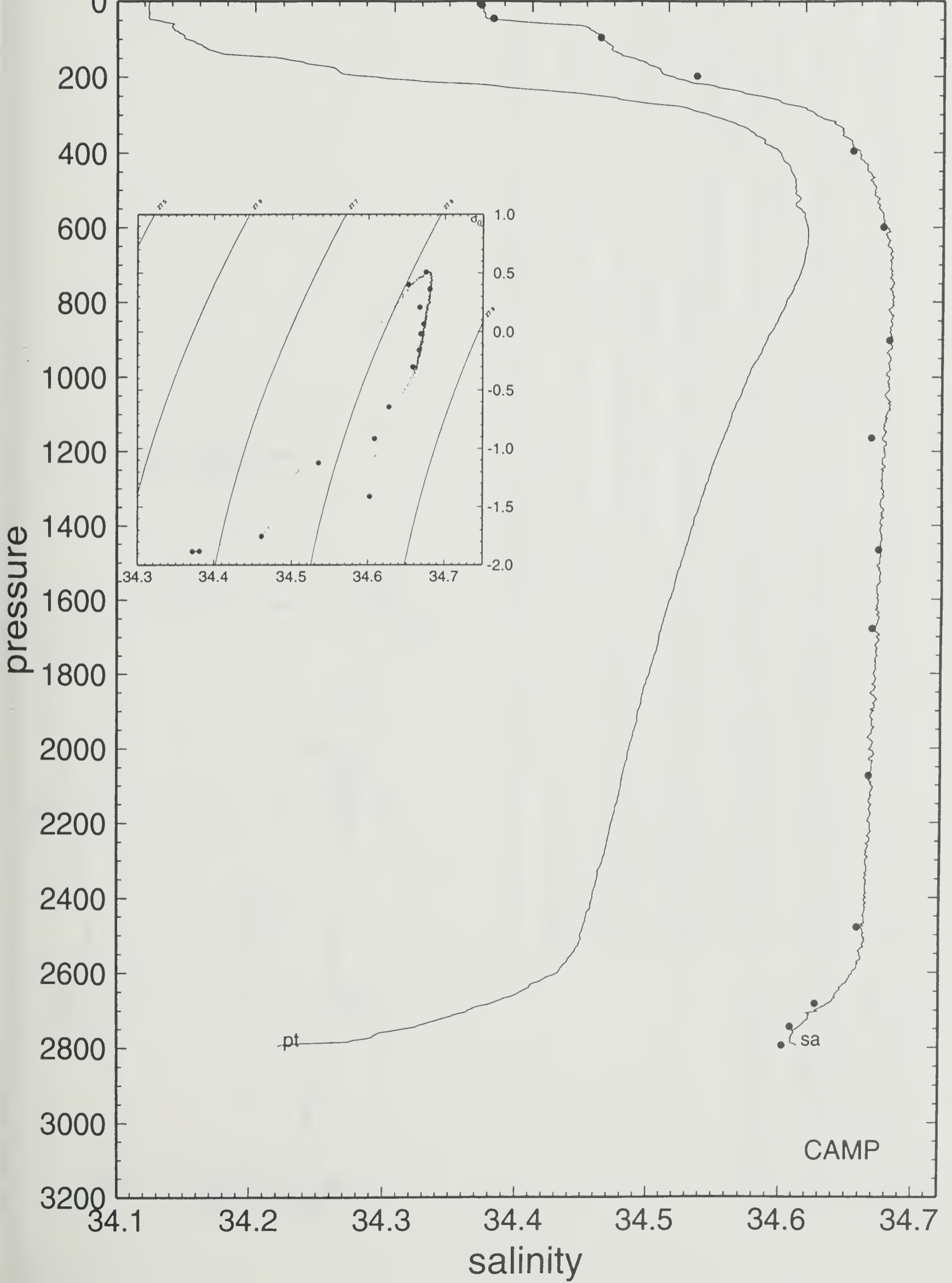
PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.884	-1.884	34.372	7.066
47	-1.880	-1.881	34.381	7.064
97	-1.752	-1.754	34.462	6.594
197	-1.119	-1.124	34.535	5.990
398	0.419	0.402	34.652	4.911
600	0.535	0.508	34.675	4.997
902	0.405	0.363	34.680	4.967
1164	0.263	0.207	34.667	5.083
1467	0.139	0.066	34.672	5.155
1679	0.066	-0.019	34.668	5.147
2074	-0.049	-0.159	34.666	5.335
2480	-0.164	-0.302	34.658	5.511
2683	-0.497	-0.644	34.627	5.935
2744	-0.768	-0.914	34.608	6.320
2795	-1.272	-1.411	34.602	6.829

# CAMP 43



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



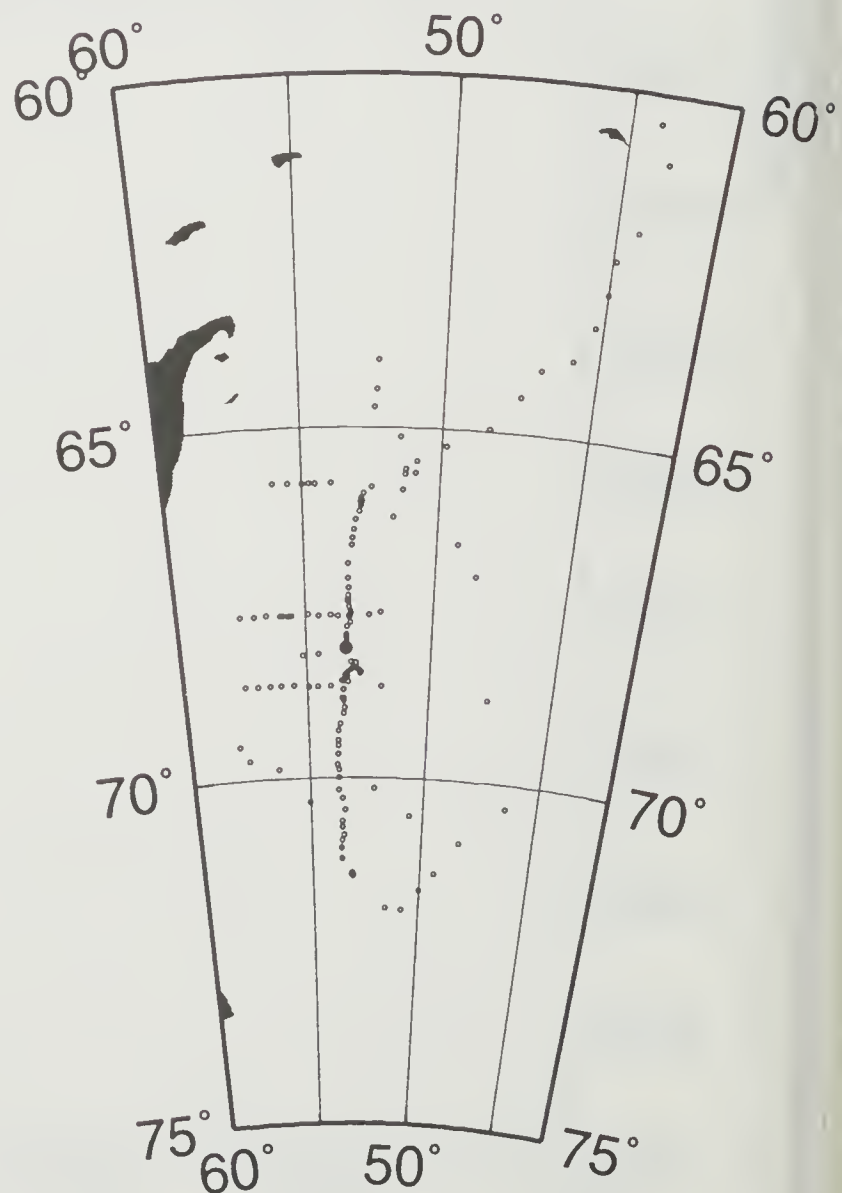
ISW-I -68.1448 -53.4160 92/04/29 120 22:37 CAMP STA# 44

bottom depth = 2718

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.867	-1.867	34.425	27.715	32.486	37.149	0.00	37.0
10	-1.869	-1.869	34.424	27.715	32.485	37.149	-0.49	37.0
20	-1.868	-1.868	34.423	27.714	32.485	37.148	-0.51	37.0
30	-1.867	-1.868	34.425	27.715	32.486	37.149	0.71	36.8
40	-1.867	-1.868	34.425	27.715	32.486	37.149	0.04	36.8
50	-1.834	-1.835	34.433	27.721	32.491	37.153	1.32	36.2
60	-1.771	-1.772	34.451	27.734	32.501	37.162	2.00	34.9
70	-1.757	-1.758	34.453	27.735	32.502	37.162	0.62	34.7
80	-1.752	-1.754	34.455	27.737	32.504	37.163	0.68	34.5
90	-1.741	-1.743	34.458	27.739	32.505	37.164	0.81	34.3
100	-1.733	-1.735	34.460	27.740	32.506	37.165	0.66	34.1
110	-1.704	-1.706	34.462	27.741	32.506	37.164	0.47	34.0
120	-1.668	-1.671	34.467	27.744	32.508	37.165	0.95	33.6
130	-1.638	-1.641	34.467	27.743	32.506	37.162	-0.56	33.7
140	-1.564	-1.567	34.472	27.745	32.506	37.160	0.69	33.5
150	-1.474	-1.478	34.479	27.748	32.506	37.157	0.88	33.2
160	-1.394	-1.398	34.487	27.752	32.507	37.156	1.05	32.8
170	-1.282	-1.286	34.492	27.752	32.504	37.149	-0.30	32.8
180	-1.190	-1.195	34.501	27.756	32.505	37.147	1.06	32.4
190	-1.085	-1.090	34.506	27.756	32.502	37.141	-0.35	32.4
200	-0.940	-0.946	34.516	27.759	32.500	37.135	0.72	32.2
210	-0.831	-0.837	34.526	27.763	32.500	37.132	0.97	31.9
220	-0.703	-0.710	34.536	27.766	32.499	37.126	0.77	31.7
230	-0.640	-0.647	34.543	27.768	32.500	37.125	0.89	31.4
240	-0.497	-0.505	34.550	27.768	32.495	37.116	-0.74	31.6
250	-0.375	-0.384	34.563	27.773	32.496	37.113	1.11	31.2
260	-0.269	-0.278	34.575	27.777	32.498	37.112	1.09	30.8
270	-0.127	-0.137	34.583	27.777	32.493	37.103	-0.74	31.0
280	-0.043	-0.053	34.594	27.781	32.495	37.102	1.10	30.6
290	0.021	0.010	34.603	27.785	32.497	37.102	1.03	30.3
300	0.075	0.063	34.605	27.784	32.494	37.098	-0.73	30.4
325	0.240	0.227	34.631	27.796	32.501	37.100	1.14	29.5
350	0.245	0.231	34.636	27.800	32.504	37.103	0.69	29.1
375	0.297	0.282	34.639	27.799	32.502	37.100	-0.35	29.2
400	0.373	0.356	34.648	27.802	32.503	37.098	0.51	29.0
425	0.420	0.402	34.653	27.804	32.503	37.097	0.32	29.0
450	0.428	0.409	34.658	27.807	32.507	37.100	0.66	28.7
475	0.444	0.423	34.659	27.807	32.506	37.099	-0.18	28.7
500	0.475	0.453	34.667	27.812	32.510	37.102	0.73	28.4
550	0.498	0.474	34.671	27.814	32.511	37.103	0.32	28.2
600	0.514	0.487	34.674	27.816	32.512	37.103	0.29	28.2
650	0.530	0.500	34.675	27.816	32.512	37.103	-0.12	28.3
700	0.537	0.505	34.678	27.818	32.514	37.105	0.36	28.1
750	0.514	0.479	34.681	27.822	32.519	37.110	0.53	27.8
800	0.486	0.449	34.683	27.825	32.523	37.115	0.51	27.5
850	0.454	0.414	34.681	27.826	32.524	37.118	0.28	27.4
900	0.425	0.383	34.681	27.827	32.527	37.121	0.41	27.2
950	0.398	0.353	34.680	27.828	32.529	37.124	0.33	27.1
1000	0.370	0.323	34.679	27.829	32.531	37.127	0.34	27.0
1100	0.318	0.266	34.677	27.831	32.534	37.132	0.33	26.7
1200	0.264	0.206	34.676	27.833	32.538	37.138	0.38	26.4
1300	0.208	0.145	34.674	27.835	32.542	37.143	0.36	26.1
1400	0.155	0.086	34.673	27.838	32.546	37.149	0.38	25.7
1500	0.123	0.049	34.672	27.839	32.549	37.152	0.30	25.4
1600	0.089	0.009	34.670	27.839	32.550	37.155	0.27	25.3
1700	0.050	-0.036	34.671	27.843	32.555	37.161	0.41	24.8
1800	0.010	-0.082	34.667	27.842	32.555	37.163	0.22	24.7
1900	-0.022	-0.120	34.668	27.845	32.559	37.168	0.39	24.2
2000	-0.050	-0.155	34.666	27.845	32.560	37.170	0.26	24.1
2100	-0.083	-0.194	34.667	27.847	32.564	37.175	0.40	23.6
2200	-0.104	-0.222	34.663	27.846	32.563	37.175	0.00	23.6
2300	-0.131	-0.256	34.664	27.848	32.567	37.180	0.38	23.2
2400	-0.164	-0.296	34.662	27.848	32.569	37.182	0.31	22.9
2500	-0.214	-0.352	34.659	27.849	32.571	37.186	0.37	22.4
2600	-0.403	-0.545	34.641	27.843	32.571	37.192	0.54	21.5
2700	-0.832	-0.973	34.613	27.839	32.580	37.214	0.96	18.7
2750	-1.300	-1.435	34.616	27.858	32.613	37.262	1.88	13.3

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.870	-1.870	34.431	6.940
49	-1.849	-1.850	34.439	6.924
100	-1.733	-1.735	34.460	6.509
201	-0.929	-0.935	34.530	6.058
403	0.380	0.363	34.650	5.083
606	0.518	0.491	34.676	4.930
808	0.482	0.444	34.682	4.961
1011	0.363	0.315	34.680	5.002
1214	0.254	0.196	34.674	5.053
1620	0.083	0.002	34.667	5.189
2028	-0.067	-0.174	34.668	5.357
2436	-0.173	-0.307	34.660	5.506
2640	-0.557	-0.699	34.629	6.221
2701	-0.835	-0.976	34.605	6.137
2752	-1.300	-1.435	34.614	6.835

# CAMP 44





44

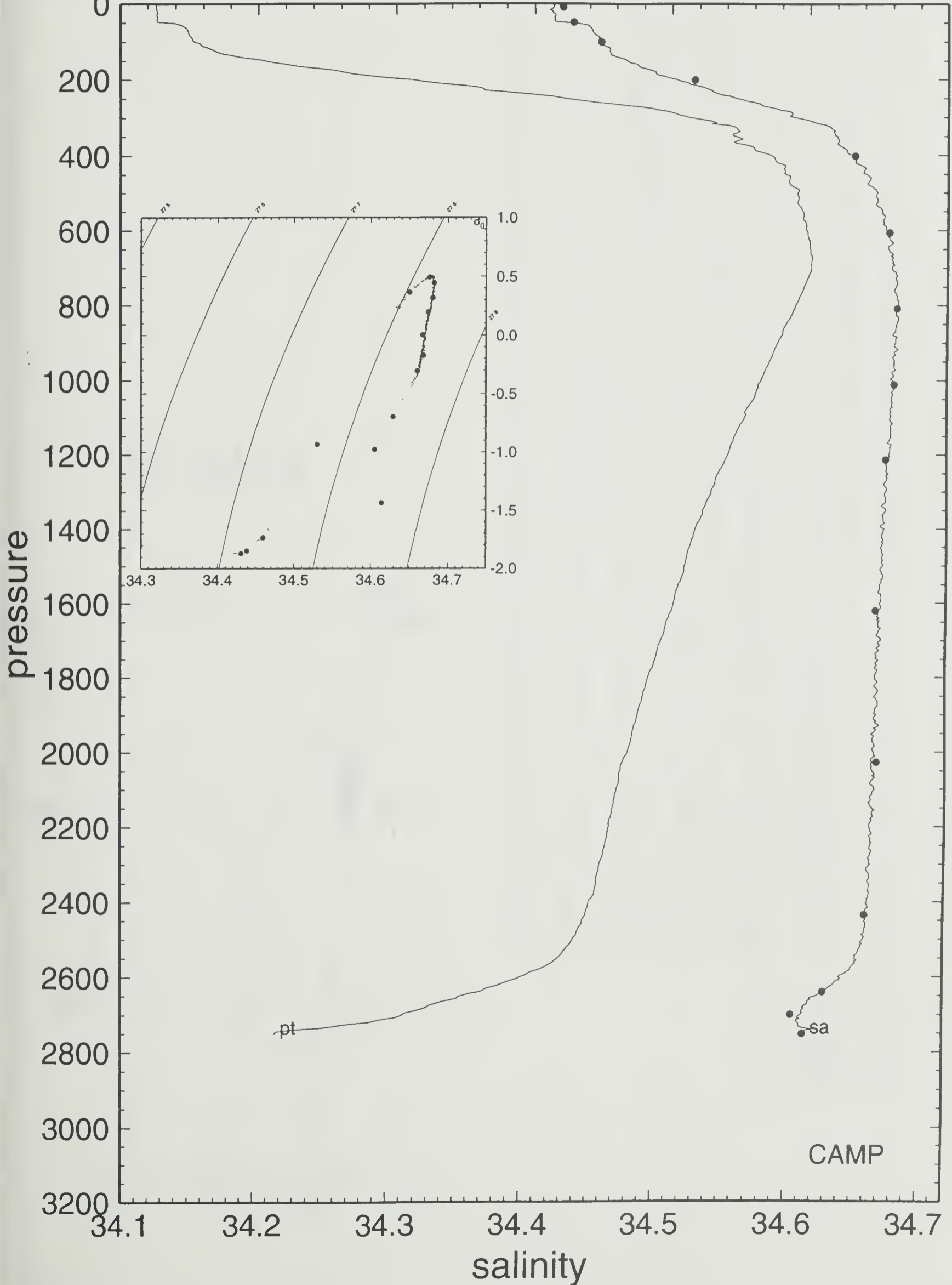
92/04/29 22:37

68 8.69 S 53 24.96 W

CAMP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



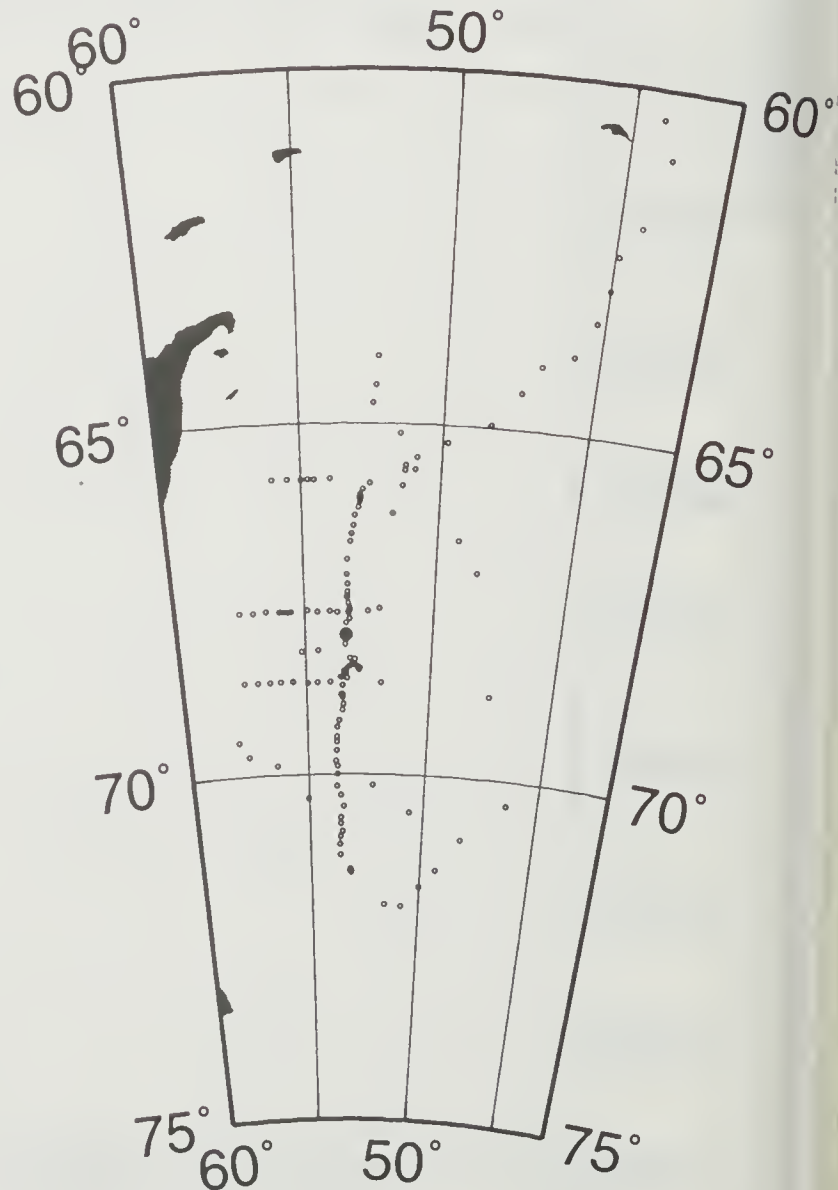
ISW-I -68.0063 -53.3752 92/05/01 122 16:20 CAMP STA# 45

bottom depth = 2764

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.875	-1.875	34.421	27.712	32.483	37.147	0.00	37.3
10	-1.883	-1.883	34.419	27.711	32.482	37.146	-0.67	37.4
20	-1.883	-1.883	34.419	27.711	32.482	37.146	0.04	37.3
30	-1.882	-1.883	34.420	27.712	32.483	37.147	0.50	37.2
40	-1.882	-1.883	34.419	27.711	32.482	37.146	-0.50	37.2
50	-1.882	-1.883	34.421	27.712	32.484	37.148	0.71	37.0
60	-1.879	-1.880	34.422	27.713	32.484	37.148	0.48	36.8
70	-1.869	-1.870	34.422	27.713	32.484	37.147	-0.29	36.8
80	-1.808	-1.810	34.435	27.722	32.491	37.152	1.66	35.9
90	-1.781	-1.783	34.445	27.729	32.497	37.158	1.51	35.2
100	-1.768	-1.770	34.448	27.731	32.499	37.159	0.80	34.9
110	-1.743	-1.745	34.453	27.735	32.501	37.161	1.01	34.5
120	-1.710	-1.713	34.458	27.738	32.504	37.162	0.97	34.2
130	-1.679	-1.682	34.459	27.738	32.502	37.160	-0.24	34.2
140	-1.616	-1.619	34.466	27.742	32.504	37.160	1.06	33.8
150	-1.563	-1.566	34.469	27.743	32.503	37.157	0.43	33.7
160	-1.481	-1.485	34.473	27.743	32.502	37.153	0.31	33.6
170	-1.386	-1.390	34.479	27.745	32.500	37.148	0.64	33.4
180	-1.256	-1.261	34.486	27.746	32.498	37.142	0.42	33.3
190	-1.148	-1.153	34.495	27.750	32.498	37.138	0.94	33.0
200	-0.974	-0.980	34.508	27.754	32.496	37.132	0.96	32.7
210	-0.882	-0.888	34.520	27.760	32.499	37.132	1.31	32.1
220	-0.696	-0.703	34.532	27.762	32.496	37.123	0.49	32.0
230	-0.478	-0.486	34.548	27.765	32.492	37.112	0.74	31.9
240	-0.367	-0.375	34.563	27.772	32.496	37.113	1.39	31.3
250	-0.278	-0.287	34.570	27.774	32.494	37.109	0.48	31.2
260	-0.143	-0.152	34.585	27.779	32.496	37.106	1.17	30.7
270	-0.032	-0.042	34.595	27.782	32.495	37.102	0.68	30.6
280	0.051	0.040	34.605	27.785	32.496	37.100	0.97	30.3
290	0.134	0.123	34.614	27.788	32.496	37.098	0.81	30.1
300	0.175	0.163	34.619	27.790	32.497	37.097	0.67	30.0
325	0.269	0.256	34.633	27.796	32.500	37.098	0.81	29.5
350	0.340	0.326	34.639	27.797	32.499	37.095	0.14	29.5
375	0.413	0.397	34.651	27.802	32.502	37.096	0.77	29.1
400	0.454	0.437	34.655	27.803	32.502	37.094	0.23	29.0
425	0.481	0.463	34.659	27.805	32.503	37.094	0.41	28.9
450	0.502	0.482	34.662	27.806	32.503	37.095	0.35	28.9
475	0.551	0.530	34.668	27.808	32.504	37.094	0.41	28.8
500	0.554	0.532	34.672	27.811	32.507	37.097	0.62	28.5
550	0.533	0.508	34.674	27.814	32.511	37.101	0.46	28.3
600	0.552	0.525	34.676	27.815	32.511	37.101	0.15	28.3
650	0.539	0.509	34.676	27.816	32.512	37.102	0.28	28.3
700	0.525	0.493	34.678	27.819	32.515	37.106	0.43	28.0
750	0.496	0.461	34.679	27.821	32.519	37.110	0.46	27.8
800	0.463	0.426	34.679	27.823	32.522	37.115	0.43	27.6
850	0.430	0.391	34.679	27.825	32.525	37.119	0.43	27.4
900	0.401	0.359	34.678	27.826	32.527	37.122	0.34	27.2
950	0.370	0.326	34.676	27.827	32.528	37.124	0.28	27.2
1000	0.351	0.304	34.676	27.828	32.530	37.126	0.34	27.0
1100	0.308	0.256	34.676	27.831	32.534	37.132	0.36	26.7
1200	0.254	0.196	34.674	27.832	32.538	37.137	0.34	26.4
1300	0.213	0.150	34.672	27.833	32.540	37.141	0.29	26.3
1400	0.169	0.100	34.673	27.837	32.545	37.147	0.41	25.8
1500	0.137	0.062	34.672	27.838	32.547	37.151	0.30	25.6
1600	0.094	0.014	34.671	27.840	32.551	37.155	0.35	25.2
1700	0.057	-0.029	34.670	27.841	32.553	37.159	0.33	24.9
1800	0.020	-0.072	34.666	27.840	32.554	37.161	0.20	24.8
1900	-0.012	-0.111	34.667	27.843	32.558	37.166	0.39	24.4
2000	-0.040	-0.145	34.666	27.844	32.560	37.169	0.30	24.2
2100	-0.068	-0.180	34.666	27.846	32.562	37.173	0.35	23.8
2200	-0.089	-0.207	34.663	27.845	32.562	37.174	0.16	23.7
2300	-0.116	-0.241	34.665	27.848	32.567	37.179	0.41	23.2
2400	-0.139	-0.271	34.664	27.849	32.568	37.181	0.29	23.0
2500	-0.176	-0.315	34.664	27.851	32.572	37.186	0.41	22.5
2600	-0.260	-0.405	34.654	27.847	32.571	37.188	0.32	22.2
2700	-0.656	-0.801	34.624	27.841	32.576	37.205	0.88	19.8
2800	-1.292	-1.431	34.618	27.859	32.615	37.263	1.48	13.0

PRES	TEMPER	POTEMP	SLINTY	OXYG
3	-1.878	-1.878	34.415	7.036
5	-1.881	-1.881	34.418	6.869
597	0.554	0.527	34.681	4.957
599	0.553	0.526	34.680	
600	0.552	0.525	34.680	5.361
2797	-1.291	-1.430	34.616	
2799	-1.292	-1.431	34.613	6.453

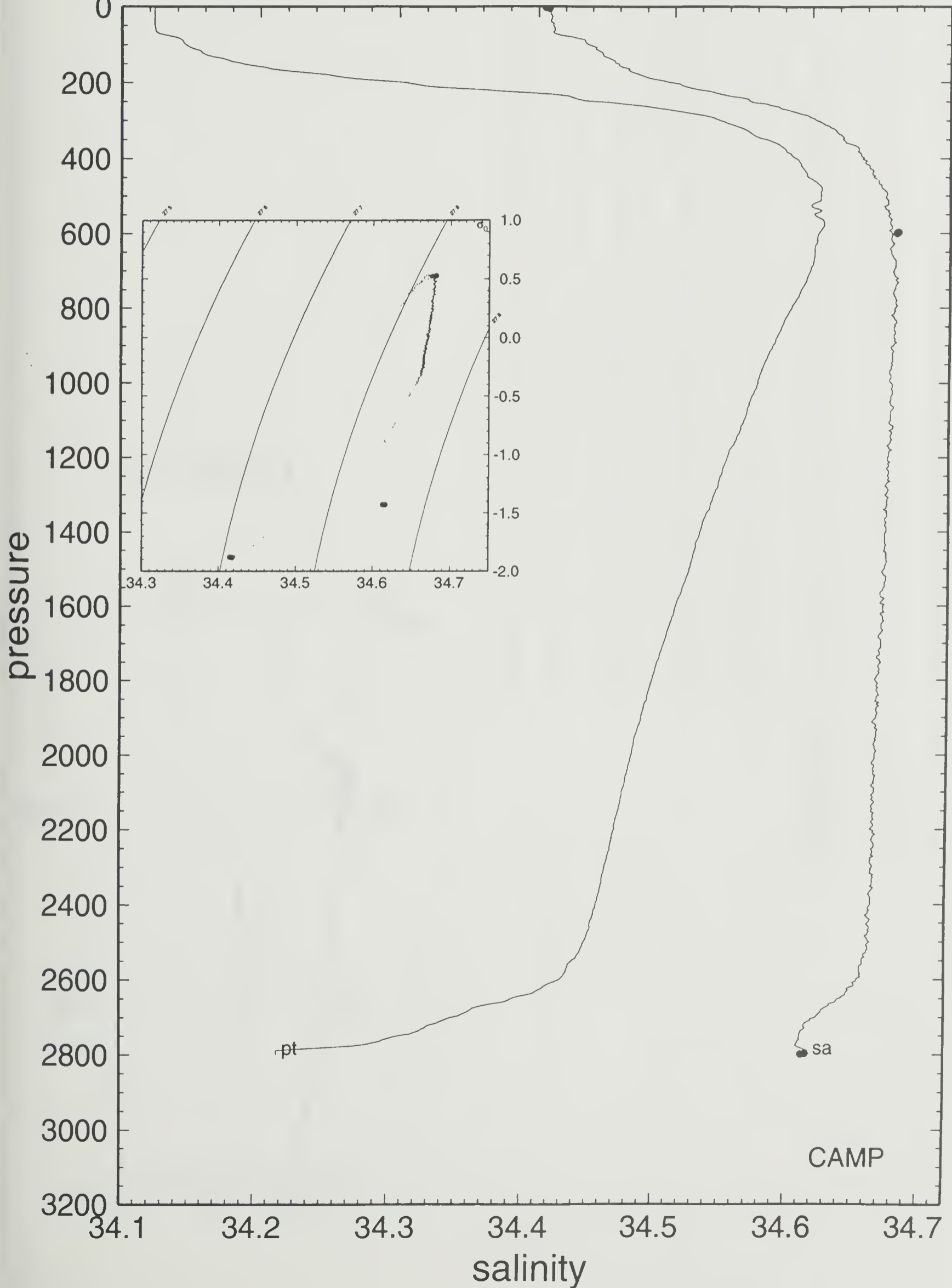
# CAMP 45



45 92/05/01 16:20 68 0.38 S 53 22.51 W CAMP

### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



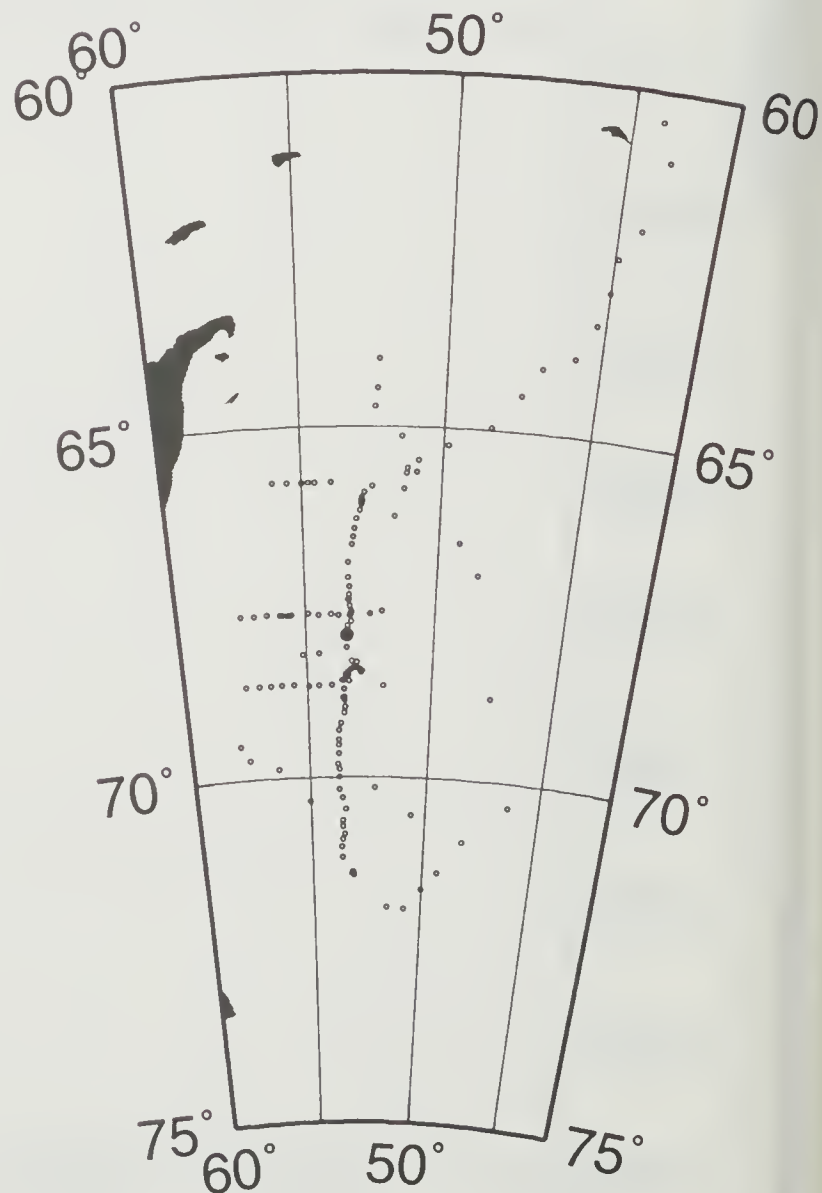
ISW-I -67.9693 -53.3875 92/05/02 123 17:50 CAMP STA# 46

bottom depth = 2762

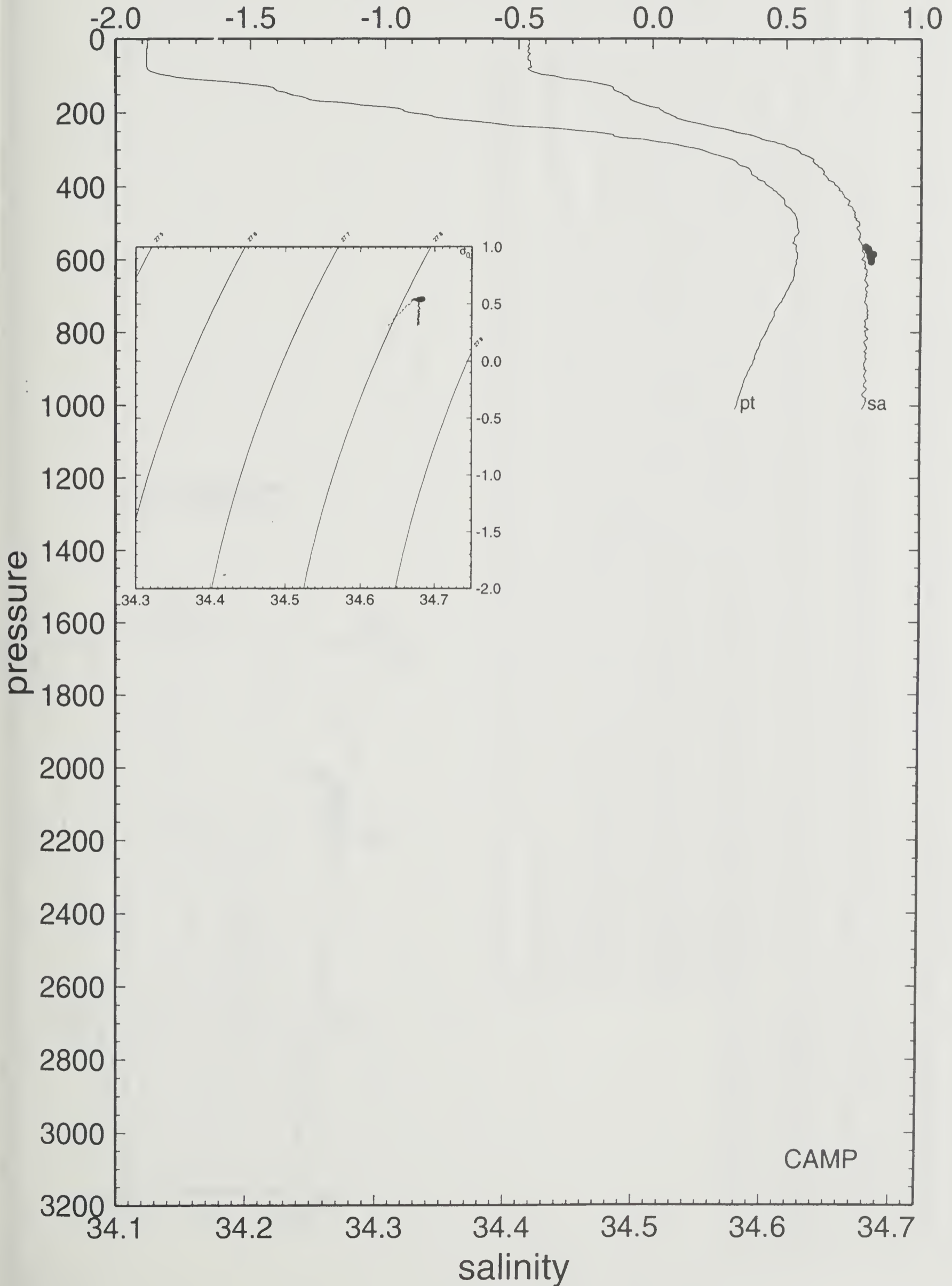
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.853	-1.853	34.418	27.709	32.480	37.143	0.00	37.6
10	-1.882	-1.882	34.418	27.710	32.481	37.145	0.49	37.4
20	-1.881	-1.881	34.417	27.709	32.480	37.144	-0.51	37.5
30	-1.882	-1.883	34.417	27.709	32.481	37.144	0.10	37.4
40	-1.882	-1.883	34.419	27.711	32.482	37.146	0.71	37.2
50	-1.882	-1.883	34.417	27.709	32.481	37.144	-0.71	37.3
60	-1.882	-1.883	34.419	27.711	32.482	37.146	0.71	37.1
70	-1.882	-1.883	34.419	27.711	32.482	37.146	0.04	37.0
80	-1.880	-1.882	34.417	27.709	32.480	37.144	-0.72	37.1
90	-1.862	-1.864	34.422	27.713	32.483	37.147	1.05	36.7
100	-1.797	-1.799	34.437	27.723	32.492	37.153	1.79	35.7
110	-1.702	-1.704	34.451	27.732	32.497	37.155	1.62	34.8
120	-1.527	-1.530	34.471	27.743	32.503	37.155	1.80	33.8
130	-1.422	-1.425	34.482	27.749	32.505	37.154	1.27	33.2
140	-1.399	-1.402	34.484	27.750	32.505	37.154	0.49	33.1
150	-1.347	-1.351	34.491	27.754	32.507	37.154	1.08	32.7
160	-1.291	-1.295	34.495	27.755	32.507	37.152	0.58	32.6
170	-1.202	-1.206	34.500	27.756	32.505	37.148	0.39	32.5
180	-1.083	-1.088	34.507	27.757	32.503	37.142	0.46	32.4
190	-0.937	-0.942	34.519	27.761	32.502	37.137	1.01	32.0
200	-0.905	-0.911	34.522	27.763	32.502	37.136	0.55	31.9
210	-0.816	-0.822	34.529	27.765	32.502	37.132	0.69	31.7
220	-0.722	-0.729	34.536	27.766	32.501	37.128	0.59	31.6
230	-0.571	-0.578	34.549	27.770	32.500	37.123	0.95	31.3
240	-0.404	-0.412	34.561	27.772	32.497	37.115	0.52	31.2
250	-0.238	-0.247	34.576	27.777	32.496	37.109	0.95	30.9
260	-0.135	-0.144	34.588	27.781	32.497	37.107	1.08	30.6
270	-0.065	-0.075	34.597	27.785	32.499	37.107	0.99	30.3
280	0.032	0.021	34.608	27.789	32.500	37.105	0.97	30.0
290	0.117	0.106	34.616	27.791	32.499	37.102	0.61	29.9
300	0.191	0.179	34.624	27.793	32.499	37.100	0.74	29.7
325	0.298	0.285	34.637	27.798	32.501	37.098	0.67	29.4
350	0.368	0.354	34.643	27.799	32.499	37.095	0.16	29.4
375	0.404	0.388	34.648	27.801	32.500	37.095	0.45	29.2
400	0.451	0.434	34.656	27.804	32.503	37.095	0.64	28.9
425	0.494	0.476	34.661	27.806	32.503	37.095	0.36	28.9
450	0.514	0.494	34.665	27.808	32.505	37.096	0.48	28.7
475	0.551	0.530	34.669	27.809	32.505	37.094	0.27	28.7
500	0.564	0.542	34.673	27.812	32.507	37.096	0.54	28.5
550	0.554	0.529	34.674	27.813	32.509	37.098	0.33	28.4
600	0.568	0.541	34.675	27.813	32.508	37.098	-0.07	28.5
650	0.558	0.528	34.678	27.816	32.512	37.102	0.46	28.2
700	0.526	0.494	34.679	27.819	32.516	37.107	0.47	28.0
750	0.491	0.456	34.680	27.822	32.520	37.112	0.49	27.7
800	0.462	0.425	34.678	27.823	32.521	37.114	0.25	27.6
850	0.433	0.394	34.677	27.824	32.523	37.117	0.34	27.5
900	0.409	0.367	34.677	27.825	32.525	37.120	0.37	27.4
950	0.383	0.338	34.678	27.828	32.529	37.124	0.45	27.1
1000	0.364	0.317	34.677	27.828	32.530	37.126	0.26	27.1
1010	0.358	0.310	34.676	27.828	32.530	37.126	-0.27	27.1

PRES	TEMPER	POTEMP	SLINTY	OXYG
566	0.562	0.537	34.678	
571	0.562	0.536	34.680	
576	0.563	0.537	34.680	
581	0.566	0.540	34.681	
586	0.569	0.542	34.684	
591	0.568	0.541	34.681	
596	0.568	0.541	34.682	
601	0.567	0.540	34.682	
606	0.564	0.536	34.682	

# CAMP 46



### potential temperature



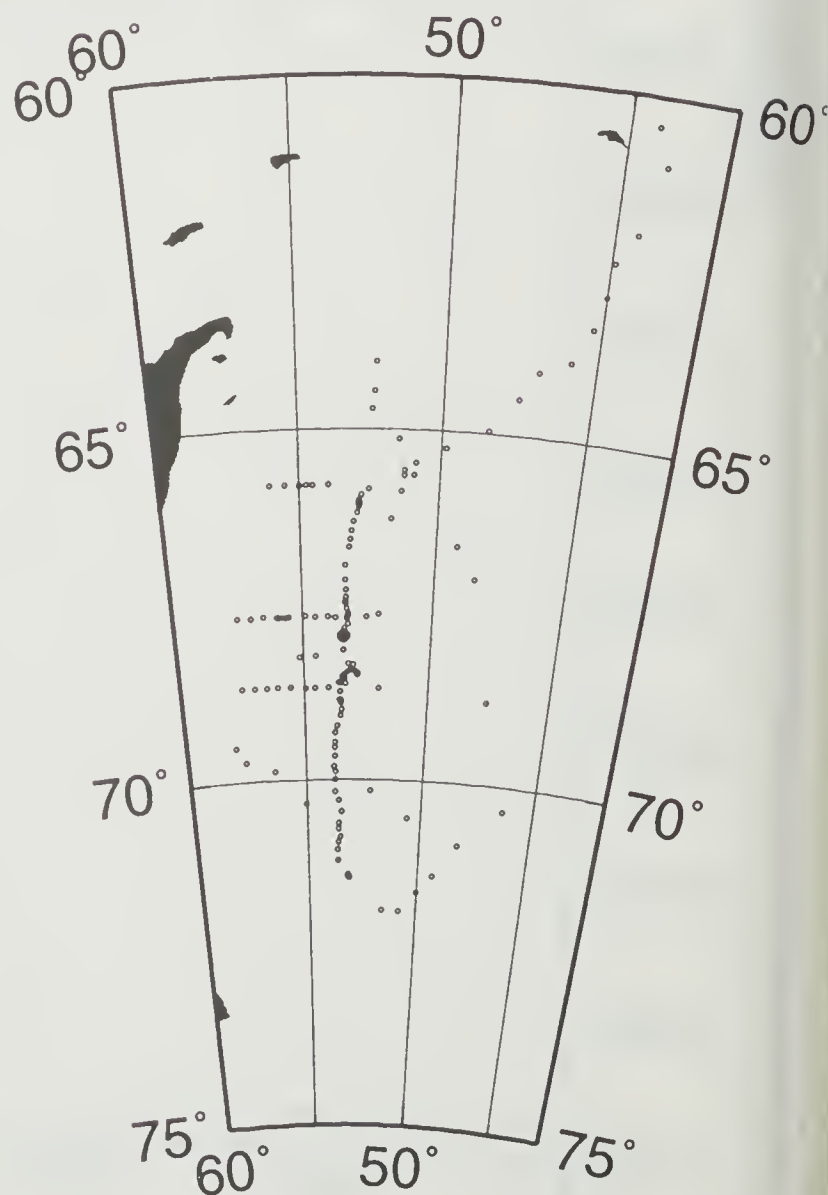
ISW-I -67.9398 -53.3880 92/05/03 124 16:35 CAMP STA# 47

bottom depth = 2771

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.879	-1.879	34.399	27.694	32.466	37.130	0.00	39.0
10	-1.881	-1.881	34.403	27.698	32.469	37.133	1.02	38.6
20	-1.880	-1.880	34.407	27.701	32.472	37.136	1.01	38.2
30	-1.881	-1.882	34.411	27.704	32.476	37.139	1.01	37.9
40	-1.880	-1.881	34.414	27.707	32.478	37.142	0.87	37.6
50	-1.880	-1.881	34.415	27.708	32.479	37.143	0.51	37.4
60	-1.878	-1.879	34.415	27.708	32.479	37.142	-0.12	37.4
70	-1.874	-1.875	34.418	27.710	32.481	37.144	0.85	37.1
80	-1.873	-1.875	34.421	27.712	32.483	37.147	0.87	36.8
90	-1.826	-1.828	34.427	27.716	32.485	37.147	1.05	36.4
100	-1.764	-1.766	34.440	27.725	32.492	37.152	1.65	35.5
110	-1.709	-1.711	34.452	27.733	32.499	37.157	1.59	34.7
120	-1.610	-1.613	34.463	27.739	32.501	37.157	1.34	34.1
130	-1.566	-1.569	34.470	27.743	32.504	37.158	1.14	33.7
140	-1.529	-1.532	34.473	27.745	32.505	37.157	0.60	33.5
150	-1.525	-1.528	34.477	27.748	32.508	37.160	0.99	33.2
160	-1.462	-1.466	34.482	27.750	32.508	37.158	0.74	33.0
170	-1.371	-1.375	34.489	27.753	32.507	37.155	0.84	32.7
180	-1.186	-1.191	34.496	27.752	32.501	37.143	-0.74	32.8
190	-0.969	-0.974	34.515	27.759	32.501	37.137	1.37	32.2
200	-0.857	-0.863	34.526	27.764	32.502	37.134	1.09	31.8
210	-0.692	-0.699	34.540	27.768	32.502	37.128	1.03	31.5
220	-0.596	-0.603	34.544	27.767	32.498	37.122	-0.70	31.6
230	-0.447	-0.455	34.561	27.774	32.500	37.119	1.37	31.0
240	-0.310	-0.318	34.576	27.780	32.502	37.117	1.21	30.6
250	-0.234	-0.243	34.582	27.781	32.500	37.113	0.43	30.5
260	-0.146	-0.155	34.590	27.783	32.500	37.110	0.66	30.4
270	-0.004	-0.014	34.602	27.786	32.498	37.104	0.62	30.2
280	0.070	0.059	34.610	27.788	32.498	37.102	0.78	30.0
290	0.152	0.141	34.619	27.791	32.499	37.100	0.82	29.8
300	0.217	0.205	34.627	27.794	32.499	37.099	0.85	29.6
325	0.289	0.276	34.637	27.798	32.501	37.099	0.65	29.3
350	0.342	0.328	34.642	27.799	32.501	37.097	0.26	29.3
375	0.387	0.371	34.648	27.802	32.502	37.096	0.48	29.1
400	0.441	0.424	34.655	27.804	32.503	37.096	0.49	29.0
425	0.493	0.475	34.660	27.805	32.502	37.094	0.23	28.9
450	0.510	0.490	34.664	27.807	32.504	37.095	0.51	28.8
475	0.541	0.520	34.670	27.810	32.506	37.096	0.57	28.6
500	0.567	0.545	34.672	27.811	32.506	37.095	-0.17	28.6
550	0.571	0.546	34.674	27.812	32.507	37.097	0.30	28.5
600	0.570	0.543	34.675	27.813	32.508	37.098	0.26	28.5
650	0.545	0.515	34.677	27.816	32.512	37.103	0.48	28.2
700	0.523	0.491	34.678	27.819	32.515	37.106	0.41	28.0
750	0.495	0.460	34.679	27.821	32.519	37.111	0.45	27.8
800	0.464	0.427	34.679	27.823	32.522	37.114	0.41	27.6
850	0.441	0.401	34.678	27.824	32.523	37.117	0.29	27.5
900	0.413	0.371	34.679	27.827	32.527	37.121	0.46	27.3
950	0.386	0.341	34.677	27.827	32.528	37.123	0.24	27.2
1000	0.364	0.317	34.675	27.826	32.528	37.124	0.18	27.2
1100	0.318	0.266	34.676	27.830	32.533	37.131	0.41	26.8
1200	0.264	0.206	34.674	27.832	32.537	37.136	0.34	26.5
1300	0.219	0.156	34.672	27.833	32.540	37.140	0.31	26.3
1400	0.176	0.107	34.670	27.834	32.542	37.144	0.31	26.1
1500	0.129	0.055	34.669	27.836	32.546	37.149	0.37	25.7
1600	0.085	0.005	34.668	27.838	32.549	37.154	0.36	25.4
1700	0.052	-0.034	34.666	27.838	32.551	37.157	0.27	25.2
1800	0.019	-0.073	34.665	27.840	32.553	37.160	0.32	24.9
1900	-0.012	-0.111	34.666	27.842	32.557	37.165	0.38	24.5
2000	-0.038	-0.143	34.663	27.842	32.557	37.166	0.19	24.4
2100	-0.065	-0.177	34.663	27.843	32.560	37.170	0.34	24.1
2200	-0.093	-0.211	34.660	27.843	32.560	37.172	0.22	23.9
2300	-0.123	-0.248	34.660	27.845	32.563	37.176	0.36	23.5
2400	-0.150	-0.282	34.658	27.845	32.564	37.178	0.28	23.3
2500	-0.195	-0.334	34.655	27.845	32.566	37.181	0.35	22.9
2600	-0.277	-0.422	34.648	27.843	32.567	37.185	0.41	22.4
2700	-0.649	-0.794	34.619	27.836	32.572	37.201	0.85	20.2
2800	-1.270	-1.409	34.616	27.857	32.612	37.259	1.49	13.4
2810	-1.267	-1.407	34.615	27.856	32.611	37.258	-0.57	13.5

PRES	TEMPER	POTEMP	SLINTY	OXYG
7	-1.881	-1.881	34.424	7.024
43	-1.880	-1.881	34.428	6.960
93	-1.802	-1.804	34.451	6.664
194	-0.919	-0.925	34.546	6.058
296	0.194	0.182	34.626	5.141
397	0.435	0.418	34.659	4.976
549	0.572	0.547	34.680	4.915
803	0.463	0.426	34.684	4.787
1209	0.259	0.201	34.678	4.877
1616	0.078	-0.003	34.672	5.075
2023	-0.045	-0.152	34.664	5.263
2432	-0.160	-0.294	34.659	5.320
2636	-0.386	-0.531	34.649	5.850
2738	-0.819	-0.963	34.608	6.109
2810	-1.267	-1.407	34.615	6.667

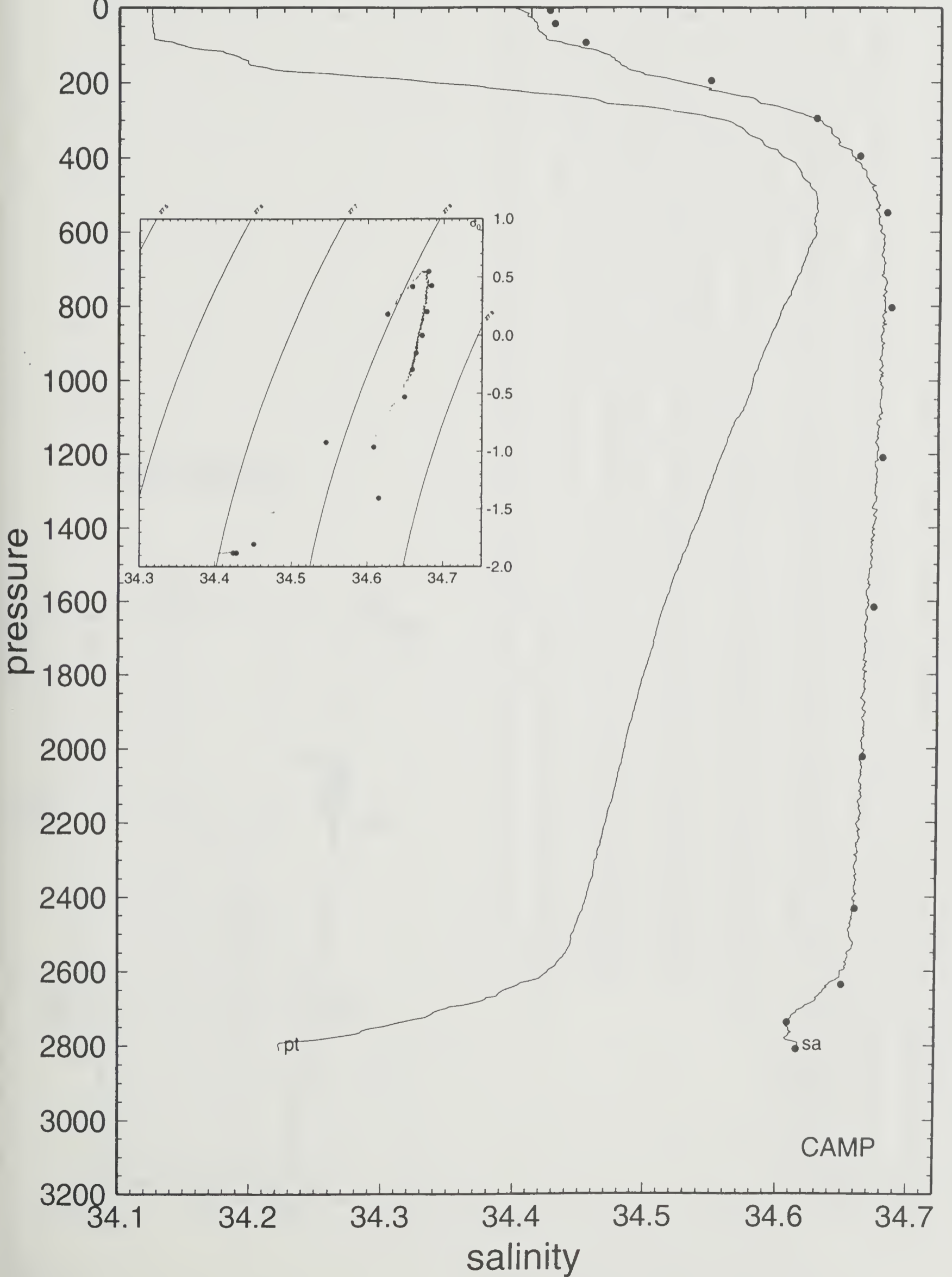
# CAMP 47



47 92/05/03 16:35 67 56.39 S 53 23.28 W CAMP

potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



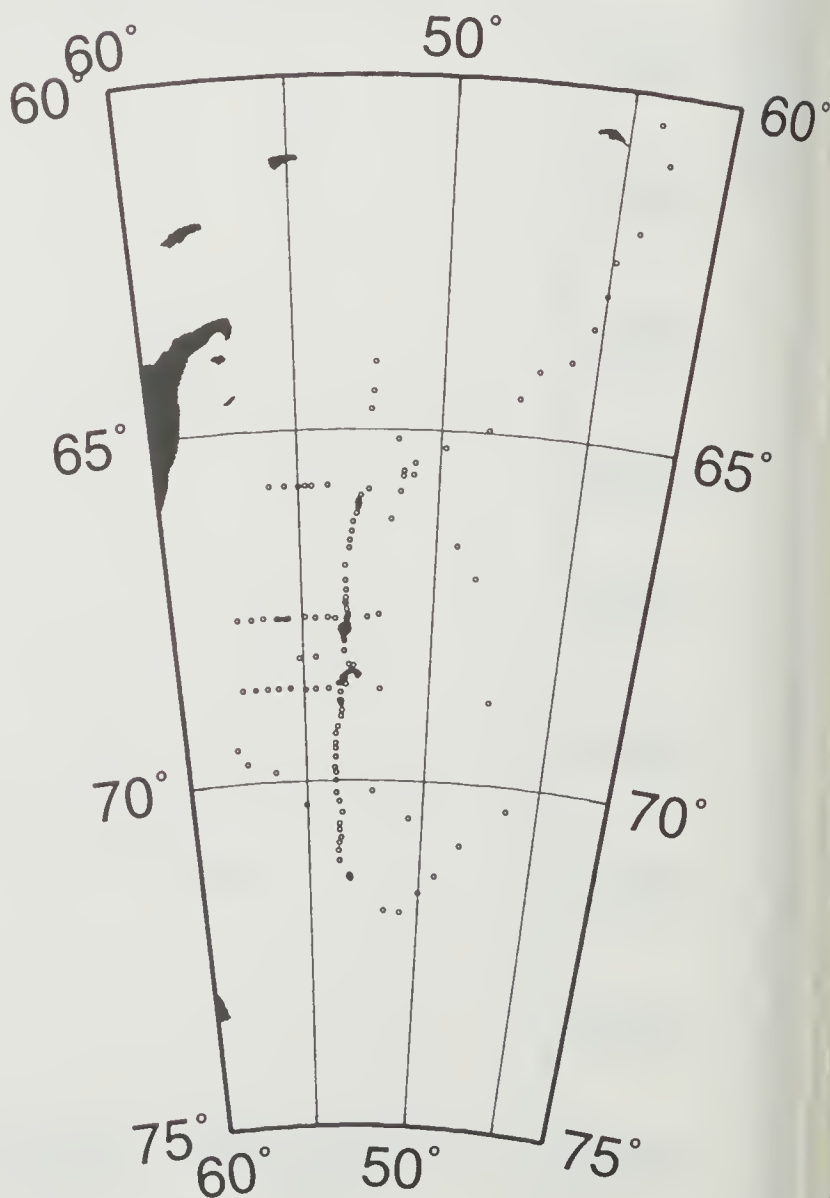
ISW-I -67.8260 -53.3468 92/05/05 126 16:59 CAMP STA# 48

bottom depth = 2805

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.868	-1.868	34.413	27.706	32.476	37.140	0.00	37.9
10	-1.881	-1.881	34.423	27.714	32.485	37.149	1.63	37.1
20	-1.880	-1.880	34.423	27.714	32.485	37.149	-0.08	37.0
30	-1.879	-1.880	34.424	27.715	32.486	37.150	0.50	36.9
40	-1.880	-1.881	34.425	27.716	32.487	37.151	0.51	36.7
50	-1.880	-1.881	34.426	27.717	32.488	37.151	0.51	36.6
60	-1.879	-1.880	34.428	27.718	32.489	37.153	0.71	36.4
70	-1.860	-1.861	34.431	27.720	32.491	37.154	0.77	36.1
80	-1.834	-1.836	34.433	27.721	32.491	37.153	0.53	36.0
90	-1.807	-1.809	34.443	27.728	32.497	37.158	1.52	35.2
100	-1.761	-1.763	34.455	27.737	32.504	37.164	1.62	34.4
110	-1.746	-1.748	34.457	27.738	32.505	37.164	0.60	34.2
120	-1.733	-1.736	34.460	27.740	32.506	37.165	0.80	34.0
130	-1.719	-1.722	34.464	27.743	32.509	37.167	0.94	33.6
140	-1.717	-1.720	34.465	27.744	32.510	37.168	0.49	33.5
150	-1.722	-1.725	34.469	27.747	32.513	37.172	1.03	33.1
160	-1.705	-1.708	34.470	27.748	32.513	37.171	0.28	33.1
170	-1.650	-1.654	34.473	27.748	32.512	37.168	0.42	33.0
180	-1.565	-1.569	34.476	27.748	32.509	37.163	-0.42	33.0
190	-1.490	-1.495	34.483	27.752	32.510	37.161	0.96	32.6
200	-1.444	-1.449	34.487	27.754	32.511	37.160	0.69	32.4
210	-1.294	-1.299	34.500	27.759	32.511	37.157	1.20	32.0
220	-1.104	-1.110	34.509	27.760	32.506	37.145	-0.49	32.0
230	-0.775	-0.782	34.531	27.765	32.500	37.130	0.89	31.7
240	-0.627	-0.635	34.548	27.772	32.503	37.128	1.41	31.1
250	-0.538	-0.546	34.556	27.775	32.503	37.125	0.76	30.9
260	-0.425	-0.434	34.564	27.776	32.501	37.120	0.36	30.8
270	-0.312	-0.321	34.577	27.781	32.503	37.118	1.15	30.4
280	-0.177	-0.187	34.589	27.784	32.502	37.113	0.78	30.2
290	-0.026	-0.037	34.603	27.788	32.501	37.107	0.85	30.0
300	0.052	0.041	34.611	27.790	32.501	37.105	0.72	29.9
325	0.190	0.177	34.629	27.797	32.503	37.104	0.85	29.3
350	0.255	0.241	34.635	27.798	32.503	37.101	0.28	29.3
375	0.286	0.271	34.640	27.801	32.504	37.102	0.50	29.1
400	0.349	0.332	34.648	27.804	32.505	37.101	0.52	28.9
425	0.403	0.385	34.652	27.804	32.504	37.098	-0.24	28.9
450	0.431	0.412	34.657	27.806	32.506	37.099	0.51	28.8
475	0.444	0.423	34.660	27.808	32.507	37.100	0.44	28.6
500	0.463	0.441	34.664	27.810	32.508	37.101	0.49	28.5
550	0.496	0.472	34.668	27.812	32.509	37.101	0.24	28.5
600	0.522	0.495	34.673	27.814	32.511	37.102	0.37	28.3
650	0.541	0.511	34.677	27.817	32.513	37.103	0.35	28.2
700	0.530	0.498	34.679	27.819	32.515	37.106	0.41	28.0
750	0.507	0.472	34.680	27.821	32.518	37.110	0.42	27.8
800	0.471	0.434	34.677	27.821	32.520	37.112	0.22	27.8
850	0.434	0.395	34.676	27.823	32.522	37.116	0.39	27.6
900	0.400	0.358	34.678	27.826	32.527	37.122	0.54	27.2
950	0.372	0.328	34.674	27.825	32.526	37.122	-0.19	27.3
1000	0.347	0.300	34.675	27.827	32.530	37.126	0.44	27.1
1100	0.300	0.248	34.672	27.828	32.532	37.130	0.26	27.0
1200	0.248	0.190	34.671	27.830	32.536	37.135	0.37	26.6
1300	0.204	0.141	34.671	27.833	32.540	37.141	0.38	26.2
1400	0.169	0.100	34.669	27.834	32.542	37.144	0.26	26.1
1500	0.123	0.049	34.669	27.836	32.546	37.150	0.39	25.7
1600	0.086	0.006	34.668	27.838	32.549	37.154	0.33	25.4
1700	0.048	-0.038	34.667	27.839	32.552	37.158	0.34	25.1
1800	0.025	-0.067	34.664	27.839	32.552	37.159	0.14	25.0
1900	-0.012	-0.111	34.665	27.842	32.556	37.164	0.41	24.6
2000	-0.041	-0.146	34.662	27.841	32.557	37.166	0.21	24.4
2100	-0.065	-0.177	34.661	27.842	32.558	37.169	0.29	24.2
2200	-0.091	-0.209	34.662	27.844	32.562	37.173	0.37	23.8
2300	-0.114	-0.239	34.660	27.844	32.562	37.175	0.24	23.6
2400	-0.138	-0.270	34.659	27.845	32.564	37.177	0.30	23.4
2500	-0.174	-0.313	34.657	27.845	32.566	37.180	0.34	23.0
2600	-0.231	-0.377	34.653	27.845	32.568	37.184	0.38	22.6
2700	-0.363	-0.514	34.642	27.843	32.569	37.190	0.51	21.8
2800	-0.842	-0.990	34.609	27.836	32.578	37.213	1.02	18.6
2850	-1.266	-1.409	34.616	27.857	32.612	37.259	1.87	13.3

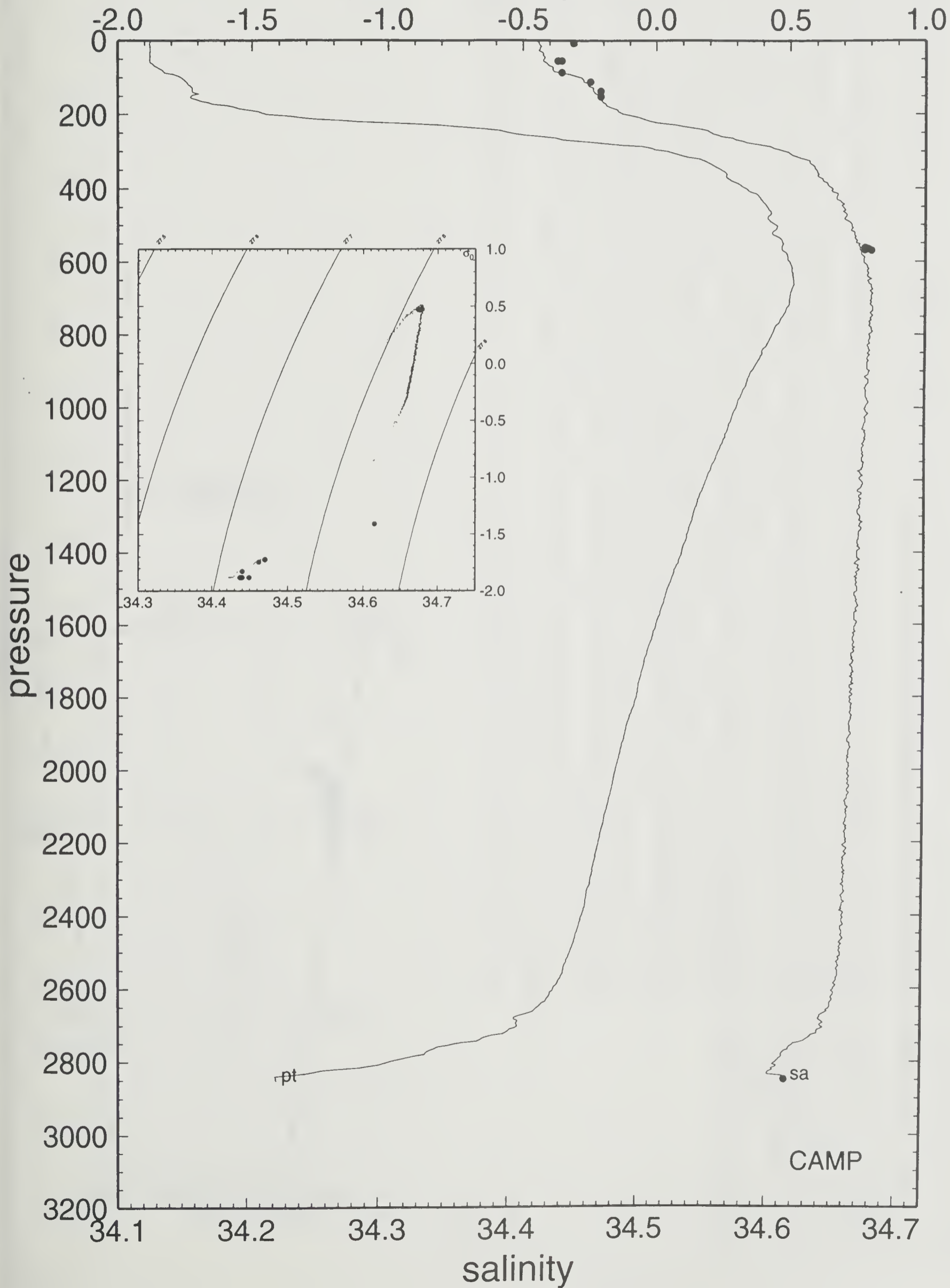
PRES	TEMPER	POTEMP	SLINTY	OXYG
8	-1.881	-1.881	34.449	6.921
55	-1.880	-1.881	34.440	
55	-1.880	-1.881	34.437	
86	-1.827	-1.829	34.440	
112	-1.743	-1.745	34.462	
137	-1.719	-1.722	34.470	
152	-1.723	-1.726	34.470	
562	0.493	0.468	34.674	4.847
564	0.493	0.468	34.675	
566	0.493	0.468	34.677	
568	0.494	0.469	34.674	
570	0.496	0.471	34.679	
2850	-1.266	-1.409	34.615	6.604

# CAMP 48





### potential temperature

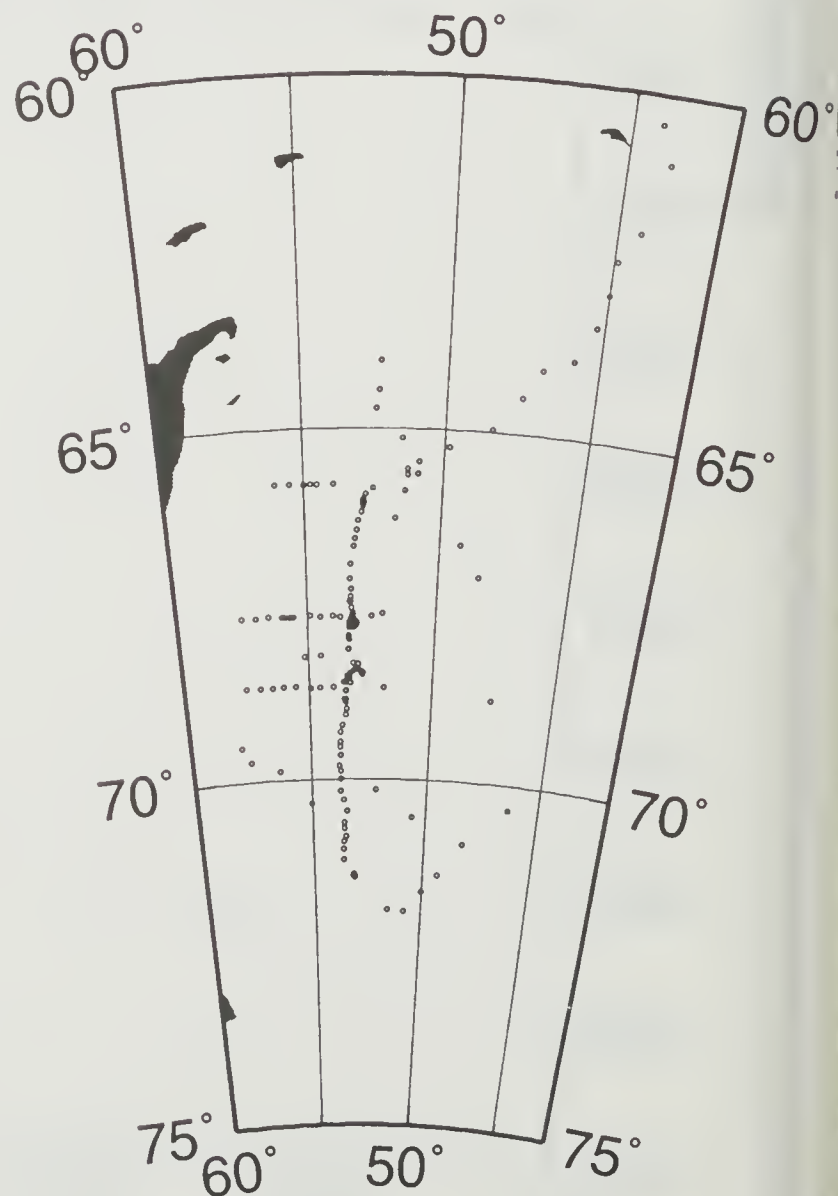


ISW-I -67.7650 -53.2185 92/05/07 128 16:08 CAMP STA# 49

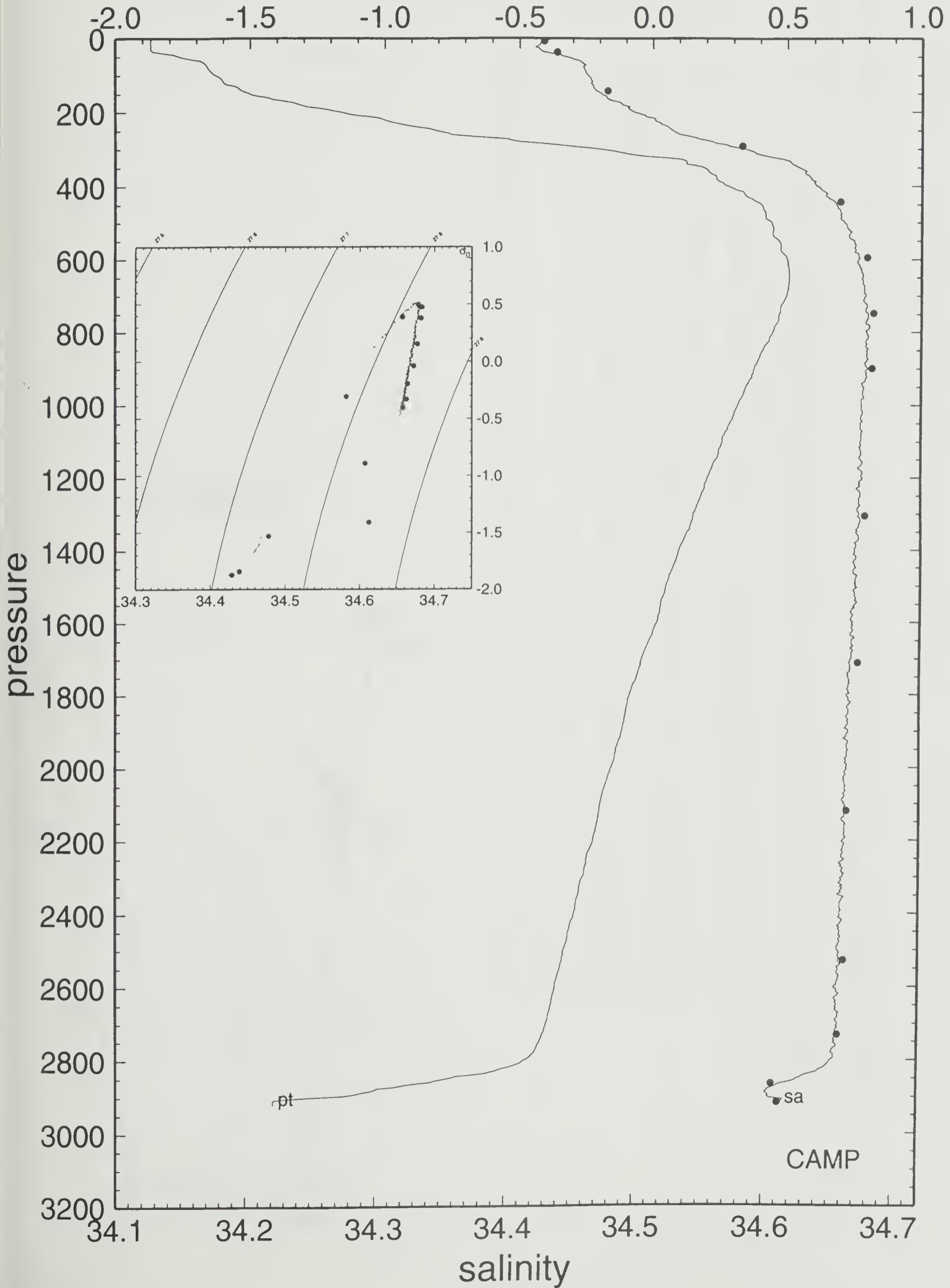
bottom depth = 2875

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.866	-1.866	34.438	27.726	32.496	37.160	0.00	36.0
10	-1.871	-1.871	34.427	27.717	32.488	37.151	-1.66	36.8
20	-1.870	-1.870	34.424	27.715	32.485	37.149	-0.88	37.0
30	-1.870	-1.871	34.425	27.715	32.486	37.150	0.51	36.8
40	-1.824	-1.825	34.433	27.721	32.490	37.152	1.28	36.3
50	-1.763	-1.764	34.446	27.730	32.497	37.157	1.66	35.4
60	-1.686	-1.687	34.456	27.736	32.500	37.158	1.35	34.8
70	-1.667	-1.668	34.460	27.738	32.502	37.159	0.91	34.4
80	-1.656	-1.658	34.460	27.738	32.502	37.158	-0.33	34.4
90	-1.645	-1.647	34.461	27.739	32.502	37.158	0.38	34.3
100	-1.624	-1.626	34.463	27.740	32.502	37.158	0.54	34.2
110	-1.605	-1.607	34.465	27.741	32.503	37.158	0.56	34.0
120	-1.595	-1.598	34.465	27.740	32.502	37.157	-0.32	34.0
130	-1.551	-1.554	34.467	27.741	32.501	37.154	0.20	34.0
140	-1.529	-1.532	34.469	27.742	32.501	37.154	0.52	33.8
150	-1.497	-1.500	34.473	27.744	32.503	37.154	0.81	33.6
160	-1.432	-1.436	34.477	27.745	32.502	37.151	0.52	33.4
170	-1.360	-1.364	34.484	27.748	32.503	37.150	0.96	33.1
180	-1.308	-1.313	34.490	27.751	32.504	37.150	0.94	32.8
190	-1.224	-1.229	34.494	27.752	32.502	37.145	-0.22	32.8
200	-1.154	-1.159	34.499	27.753	32.501	37.142	0.59	32.6
210	-1.069	-1.075	34.507	27.757	32.502	37.140	0.94	32.3
220	-0.999	-1.005	34.515	27.761	32.504	37.140	1.02	32.0
230	-0.941	-0.948	34.520	27.762	32.503	37.138	0.66	31.8
240	-0.866	-0.873	34.525	27.763	32.502	37.134	0.40	31.7
250	-0.791	-0.799	34.529	27.764	32.500	37.130	-0.35	31.7
260	-0.743	-0.751	34.534	27.766	32.501	37.129	0.72	31.6
270	-0.572	-0.581	34.548	27.770	32.499	37.123	0.89	31.3
280	-0.491	-0.500	34.559	27.775	32.502	37.123	1.19	30.8
290	-0.317	-0.327	34.571	27.776	32.498	37.114	0.10	30.8
300	-0.176	-0.187	34.585	27.781	32.498	37.110	0.99	30.5
325	0.079	0.066	34.608	27.786	32.496	37.100	0.61	30.2
350	0.201	0.187	34.625	27.793	32.499	37.099	0.86	29.7
375	0.250	0.235	34.634	27.798	32.503	37.101	0.71	29.3
400	0.294	0.278	34.639	27.800	32.503	37.100	0.37	29.2
425	0.360	0.342	34.646	27.802	32.503	37.098	0.38	29.1
450	0.420	0.401	34.654	27.805	32.504	37.098	0.53	28.9
475	0.438	0.418	34.658	27.807	32.506	37.099	0.50	28.8
500	0.463	0.441	34.660	27.807	32.505	37.098	-0.13	28.8
550	0.493	0.469	34.668	27.812	32.509	37.101	0.52	28.4
600	0.526	0.499	34.671	27.813	32.509	37.100	0.07	28.5
650	0.537	0.507	34.674	27.814	32.511	37.101	0.33	28.4
700	0.529	0.497	34.677	27.818	32.514	37.105	0.45	28.1
750	0.506	0.471	34.679	27.821	32.518	37.109	0.48	27.9
800	0.483	0.446	34.678	27.821	32.519	37.111	0.28	27.8
850	0.448	0.408	34.678	27.824	32.523	37.116	0.44	27.6
900	0.420	0.378	34.679	27.826	32.526	37.120	0.46	27.3
950	0.391	0.346	34.675	27.825	32.526	37.121	-0.18	27.4
1000	0.364	0.317	34.674	27.826	32.527	37.123	0.33	27.3
1100	0.312	0.260	34.673	27.828	32.531	37.129	0.36	27.0
1200	0.263	0.205	34.675	27.833	32.538	37.137	0.45	26.4
1300	0.216	0.153	34.672	27.833	32.540	37.141	0.28	26.3
1400	0.170	0.101	34.669	27.834	32.542	37.144	0.28	26.1
1500	0.128	0.054	34.669	27.836	32.546	37.149	0.38	25.7
1600	0.100	0.020	34.668	27.837	32.548	37.152	0.28	25.5
1700	0.049	-0.037	34.667	27.839	32.552	37.158	0.39	25.1
1800	0.011	-0.081	34.663	27.838	32.552	37.160	0.21	25.0
1900	-0.012	-0.111	34.665	27.842	32.556	37.164	0.38	24.6
2000	-0.045	-0.150	34.663	27.842	32.558	37.167	0.29	24.3
2100	-0.080	-0.191	34.661	27.842	32.559	37.170	0.31	24.1
2200	-0.100	-0.218	34.661	27.844	32.562	37.173	0.31	23.8
2300	-0.131	-0.256	34.661	27.846	32.565	37.177	0.37	23.4
2400	-0.157	-0.289	34.659	27.846	32.566	37.179	0.27	23.2
2500	-0.188	-0.327	34.657	27.846	32.567	37.182	0.31	22.9
2600	-0.213	-0.359	34.655	27.846	32.568	37.184	0.27	22.6
2700	-0.238	-0.392	34.658	27.850	32.573	37.190	0.45	22.0
2800	-0.313	-0.473	34.653	27.850	32.575	37.194	0.45	21.4
2900	-1.118	-1.268	34.604	27.842	32.593	37.236	1.38	15.6
2920	-1.264	-1.412	34.614	27.855	32.610	37.258	1.99	13.2
PRES	TEMPER	POTEMP	SLINTY	OXYG				
8	-1.871	-1.871	34.429	6.984				
38	-1.842	-1.843	34.439	7.074				
140	-1.529	-1.532	34.478	6.697				
291	-0.299	-0.309	34.582	5.680				
443	0.404	0.385	34.657	5.036				
595	0.523	0.496	34.678	5.055				
747	0.508	0.473	34.683	5.519				
899	0.420	0.378	34.682	4.930				
1305	0.216	0.152	34.677	5.142				
1712	0.046	-0.041	34.672	5.383				
2119	-0.083	-0.196	34.664	5.147				
2528	-0.191	-0.332	34.662	5.322				
2732	-0.251	-0.407	34.658	5.286				
2865	-0.736	-0.892	34.607	6.329				
2916	-1.265	-1.413	34.612	6.850				

# CAMP 49



### potential temperature

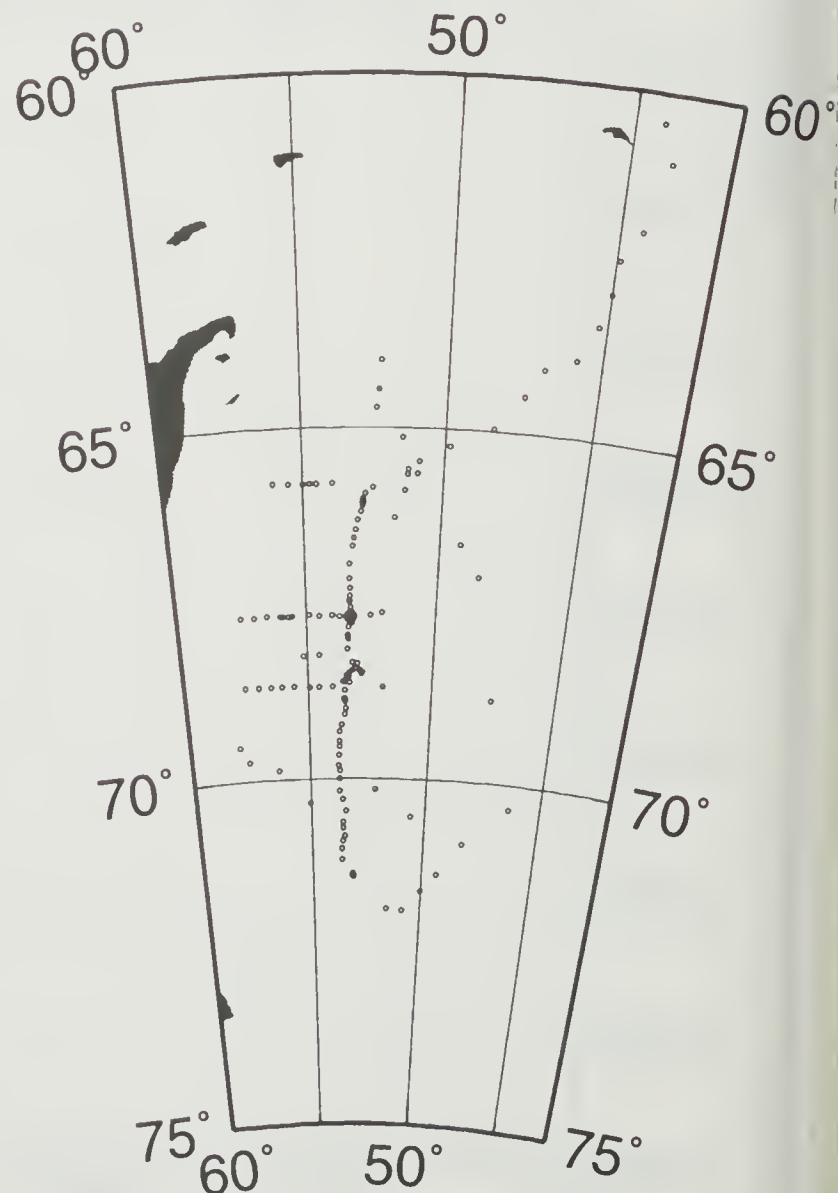


ISW-I -67.6847 -53.2707 92/05/08 129 16:51 CAMP STA# 50

bottom depth = 2860

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.880	-1.880	34.417	27.709	32.480	37.144	0.00	37.6
10	-1.881	-1.881	34.418	27.710	32.481	37.145	0.51	37.4
20	-1.882	-1.882	34.418	27.710	32.481	37.145	0.10	37.4
30	-1.881	-1.882	34.417	27.709	32.480	37.144	-0.51	37.4
40	-1.881	-1.882	34.418	27.710	32.481	37.145	0.51	37.3
50	-1.879	-1.880	34.419	27.711	32.482	37.146	0.49	37.1
60	-1.878	-1.879	34.420	27.712	32.483	37.146	0.50	37.0
70	-1.783	-1.784	34.448	27.732	32.500	37.160	2.50	35.0
80	-1.768	-1.770	34.455	27.737	32.504	37.164	1.28	34.5
90	-1.756	-1.758	34.460	27.741	32.508	37.167	1.08	34.1
100	-1.741	-1.743	34.464	27.744	32.510	37.169	0.93	33.8
110	-1.719	-1.721	34.466	27.745	32.510	37.169	0.54	33.6
120	-1.683	-1.686	34.469	27.746	32.511	37.168	0.63	33.4
130	-1.632	-1.635	34.475	27.750	32.512	37.168	1.00	33.1
140	-1.641	-1.644	34.478	27.752	32.515	37.171	0.93	32.8
150	-1.495	-1.499	34.482	27.751	32.510	37.161	-0.76	32.9
160	-1.280	-1.284	34.495	27.755	32.506	37.151	0.87	32.6
170	-1.169	-1.173	34.506	27.760	32.508	37.149	1.18	32.2
180	-1.059	-1.064	34.512	27.760	32.505	37.143	0.25	32.1
190	-0.908	-0.913	34.525	27.765	32.505	37.138	1.09	31.7
200	-0.766	-0.772	34.534	27.767	32.502	37.131	0.45	31.6
210	-0.605	-0.612	34.549	27.772	32.502	37.127	1.15	31.2
220	-0.545	-0.552	34.556	27.775	32.504	37.126	0.90	30.9
230	-0.490	-0.498	34.561	27.776	32.503	37.124	0.61	30.8
240	-0.432	-0.440	34.567	27.779	32.504	37.123	0.74	30.6
250	-0.373	-0.382	34.571	27.779	32.502	37.120	0.11	30.6
260	-0.286	-0.295	34.579	27.781	32.502	37.117	0.71	30.4
270	-0.269	-0.279	34.590	27.789	32.510	37.124	1.57	29.7
280	-0.335	-0.345	34.586	27.789	32.512	37.128	0.41	29.6
290	-0.178	-0.188	34.597	27.791	32.508	37.119	-0.22	29.6
300	-0.059	-0.070	34.608	27.793	32.507	37.115	0.74	29.4
325	0.152	0.139	34.627	27.798	32.505	37.107	0.52	29.2
350	0.260	0.246	34.638	27.801	32.505	37.103	0.48	29.1
375	0.273	0.258	34.641	27.802	32.506	37.104	0.45	28.9
400	0.276	0.260	34.645	27.805	32.509	37.107	0.62	28.6
425	0.310	0.292	34.648	27.806	32.509	37.106	0.14	28.6
450	0.311	0.292	34.650	27.808	32.510	37.107	0.45	28.5
475	0.351	0.331	34.654	27.809	32.510	37.106	0.24	28.5
500	0.438	0.416	34.664	27.812	32.511	37.104	0.48	28.3
550	0.456	0.432	34.666	27.813	32.511	37.104	0.17	28.3
600	0.499	0.472	34.674	27.817	32.514	37.105	0.46	28.1
650	0.528	0.498	34.679	27.819	32.515	37.106	0.35	27.9
700	0.528	0.496	34.682	27.822	32.518	37.109	0.40	27.8
750	0.512	0.477	34.681	27.822	32.519	37.110	0.21	27.8
800	0.490	0.453	34.682	27.824	32.522	37.114	0.42	27.6
850	0.458	0.418	34.680	27.825	32.523	37.116	0.28	27.5
900	0.427	0.385	34.680	27.827	32.526	37.120	0.42	27.3
950	0.396	0.351	34.678	27.827	32.528	37.122	0.28	27.2
1000	0.372	0.325	34.677	27.828	32.529	37.125	0.31	27.1
1100	0.328	0.275	34.676	27.830	32.533	37.130	0.33	26.9
1200	0.280	0.222	34.675	27.832	32.536	37.135	0.35	26.6
1300	0.235	0.172	34.674	27.834	32.540	37.140	0.35	26.3
1400	0.184	0.115	34.670	27.834	32.541	37.143	0.26	26.2
1500	0.147	0.072	34.671	27.837	32.546	37.149	0.39	25.7
1600	0.106	0.026	34.669	27.838	32.548	37.152	0.31	25.5
1700	0.068	-0.018	34.669	27.840	32.552	37.157	0.37	25.1
1800	0.039	-0.054	34.665	27.839	32.551	37.158	0.12	25.1
1900	0.006	-0.093	34.665	27.841	32.555	37.163	0.36	24.7
2000	-0.023	-0.128	34.663	27.841	32.556	37.165	0.27	24.5
2100	-0.050	-0.162	34.664	27.843	32.559	37.169	0.38	24.1
2200	-0.077	-0.196	34.662	27.844	32.561	37.171	0.26	23.9
2300	-0.100	-0.226	34.662	27.845	32.563	37.175	0.33	23.6
2400	-0.121	-0.254	34.661	27.846	32.564	37.177	0.28	23.4
2500	-0.143	-0.283	34.658	27.845	32.564	37.178	0.19	23.3
2600	-0.179	-0.326	34.657	27.846	32.567	37.182	0.38	22.9
2700	-0.268	-0.421	34.651	27.846	32.570	37.187	0.47	22.2
2800	-0.595	-0.749	34.626	27.840	32.574	37.202	0.82	20.1
2900	-1.261	-1.408	34.605	27.848	32.603	37.250	1.42	14.0
2905	-1.275	-1.422	34.610	27.853	32.608	37.256	1.87	13.4
PRES	TEMPER	POTEMP	SLINTY	OXYG				
7	-1.881	-1.881	34.415	6.818				
614	0.505	0.477	34.674	4.754				
616	0.509	0.481	34.673					
618	0.511	0.483	34.673					
2905	-1.275	-1.422	34.607	6.788				

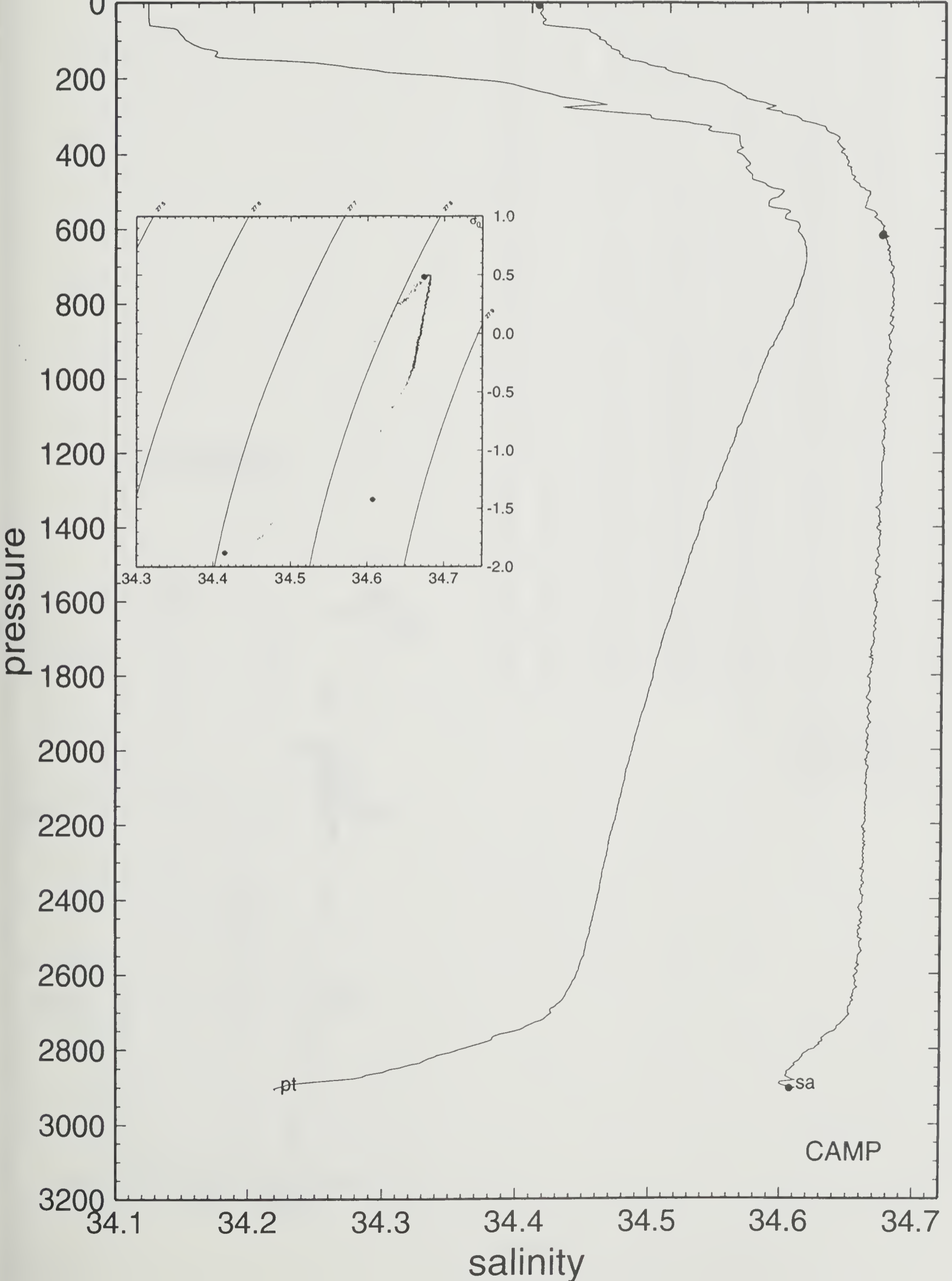
# CAMP 50



50 92/05/08 16:51 67 41.08 S 53 16.24 W CAMP

### potential temperature

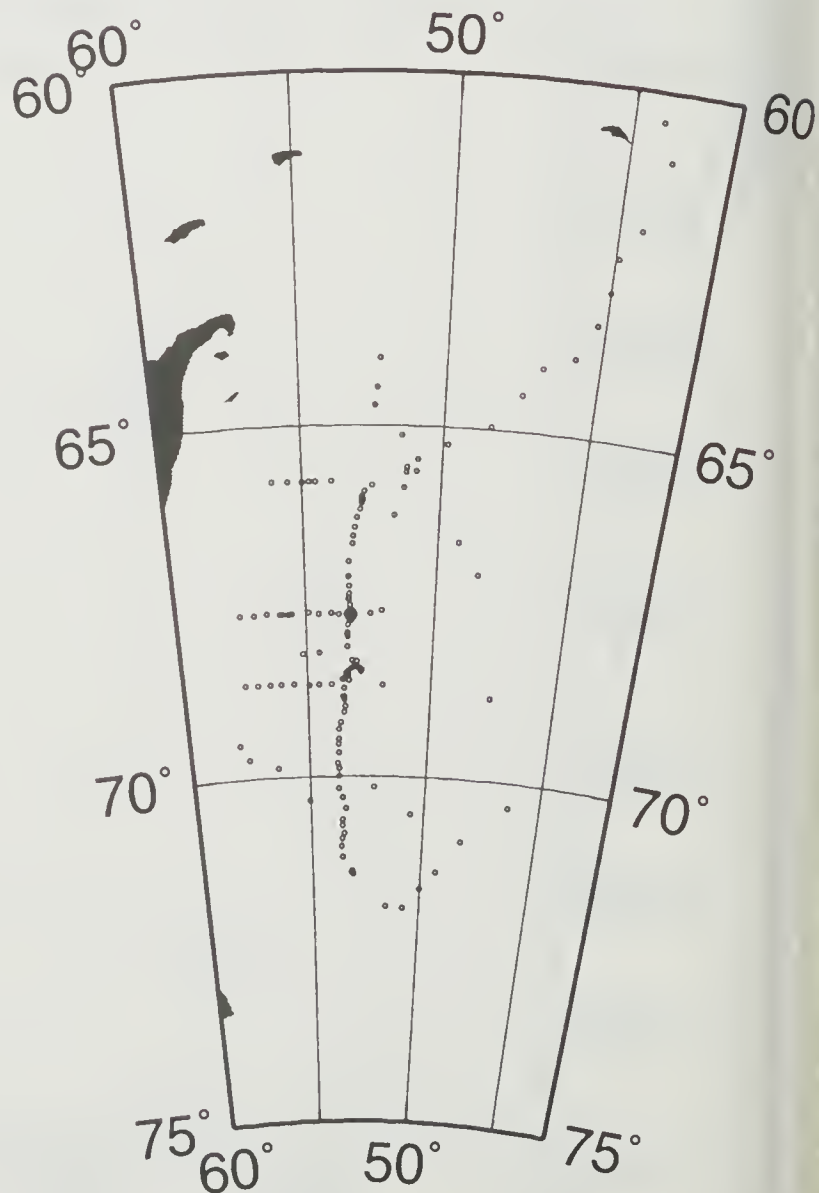
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.866	-1.866	34.417	27.709	32.480	37.143	0.00	37.6
10	-1.878	-1.878	34.417	27.709	32.480	37.144	0.32	37.5
20	-1.875	-1.875	34.421	27.712	32.483	37.147	1.00	37.2
30	-1.871	-1.872	34.426	27.716	32.487	37.151	1.11	36.7
40	-1.867	-1.868	34.431	27.720	32.491	37.154	1.11	36.3
50	-1.867	-1.868	34.435	27.723	32.494	37.157	1.01	35.9
60	-1.859	-1.860	34.437	27.725	32.495	37.158	0.66	35.7
70	-1.825	-1.826	34.443	27.729	32.498	37.160	1.11	35.3
80	-1.797	-1.799	34.446	27.731	32.499	37.160	0.71	35.1
90	-1.747	-1.749	34.452	27.734	32.501	37.160	1.03	34.7
100	-1.713	-1.715	34.459	27.739	32.504	37.163	1.20	34.2
110	-1.694	-1.696	34.460	27.739	32.504	37.162	0.26	34.1
120	-1.647	-1.650	34.465	27.742	32.505	37.162	0.89	33.8
130	-1.584	-1.587	34.468	27.742	32.504	37.158	0.32	33.8
140	-1.543	-1.546	34.472	27.744	32.505	37.158	0.76	33.5
150	-1.428	-1.432	34.479	27.746	32.503	37.152	0.69	33.3
160	-1.314	-1.318	34.489	27.751	32.504	37.150	1.09	32.9
170	-1.217	-1.221	34.495	27.752	32.502	37.145	0.56	32.8
180	-1.131	-1.136	34.503	27.756	32.503	37.143	0.96	32.5
190	-1.005	-1.010	34.511	27.757	32.501	37.137	0.57	32.4
200	-0.883	-0.889	34.519	27.759	32.499	37.131	0.55	32.2
210	-0.724	-0.730	34.533	27.764	32.498	37.126	1.08	31.9
220	-0.598	-0.605	34.545	27.768	32.499	37.123	1.03	31.5
230	-0.465	-0.473	34.556	27.771	32.497	37.117	0.79	31.3
240	-0.404	-0.412	34.567	27.777	32.502	37.120	1.33	30.8
250	-0.274	-0.283	34.576	27.778	32.499	37.113	0.17	30.7
260	-0.235	-0.244	34.581	27.780	32.500	37.113	0.76	30.6
270	-0.150	-0.160	34.588	27.782	32.499	37.109	0.48	30.5
280	0.031	0.020	34.601	27.783	32.494	37.099	-0.33	30.5
290	0.067	0.056	34.611	27.789	32.499	37.103	1.35	29.9
300	0.117	0.105	34.616	27.791	32.499	37.102	0.54	29.9
325	0.282	0.269	34.633	27.795	32.499	37.096	0.62	29.6
350	0.319	0.305	34.639	27.798	32.500	37.097	0.55	29.4
375	0.333	0.317	34.643	27.801	32.503	37.099	0.54	29.1
400	0.283	0.267	34.644	27.804	32.508	37.105	0.73	28.8
425	0.411	0.393	34.653	27.804	32.504	37.098	-0.44	28.9
450	0.423	0.404	34.658	27.808	32.507	37.101	0.64	28.6
475	0.444	0.423	34.659	27.807	32.506	37.099	-0.28	28.7
500	0.462	0.440	34.664	27.810	32.509	37.101	0.59	28.5
550	0.497	0.473	34.671	27.814	32.511	37.103	0.45	28.2
600	0.524	0.497	34.673	27.814	32.511	37.102	-0.13	28.3
650	0.533	0.503	34.677	27.817	32.513	37.104	0.41	28.1
700	0.521	0.489	34.680	27.820	32.517	37.108	0.47	27.9
750	0.502	0.467	34.680	27.822	32.519	37.111	0.33	27.8
800	0.463	0.426	34.680	27.824	32.523	37.115	0.46	27.5
850	0.436	0.396	34.679	27.825	32.524	37.118	0.32	27.4
900	0.409	0.367	34.677	27.825	32.525	37.120	0.23	27.4
950	0.373	0.329	34.675	27.826	32.527	37.123	0.32	27.3
1000	0.352	0.305	34.674	27.826	32.528	37.125	0.28	27.2
1010	0.350	0.302	34.676	27.828	32.530	37.127	0.75	27.0

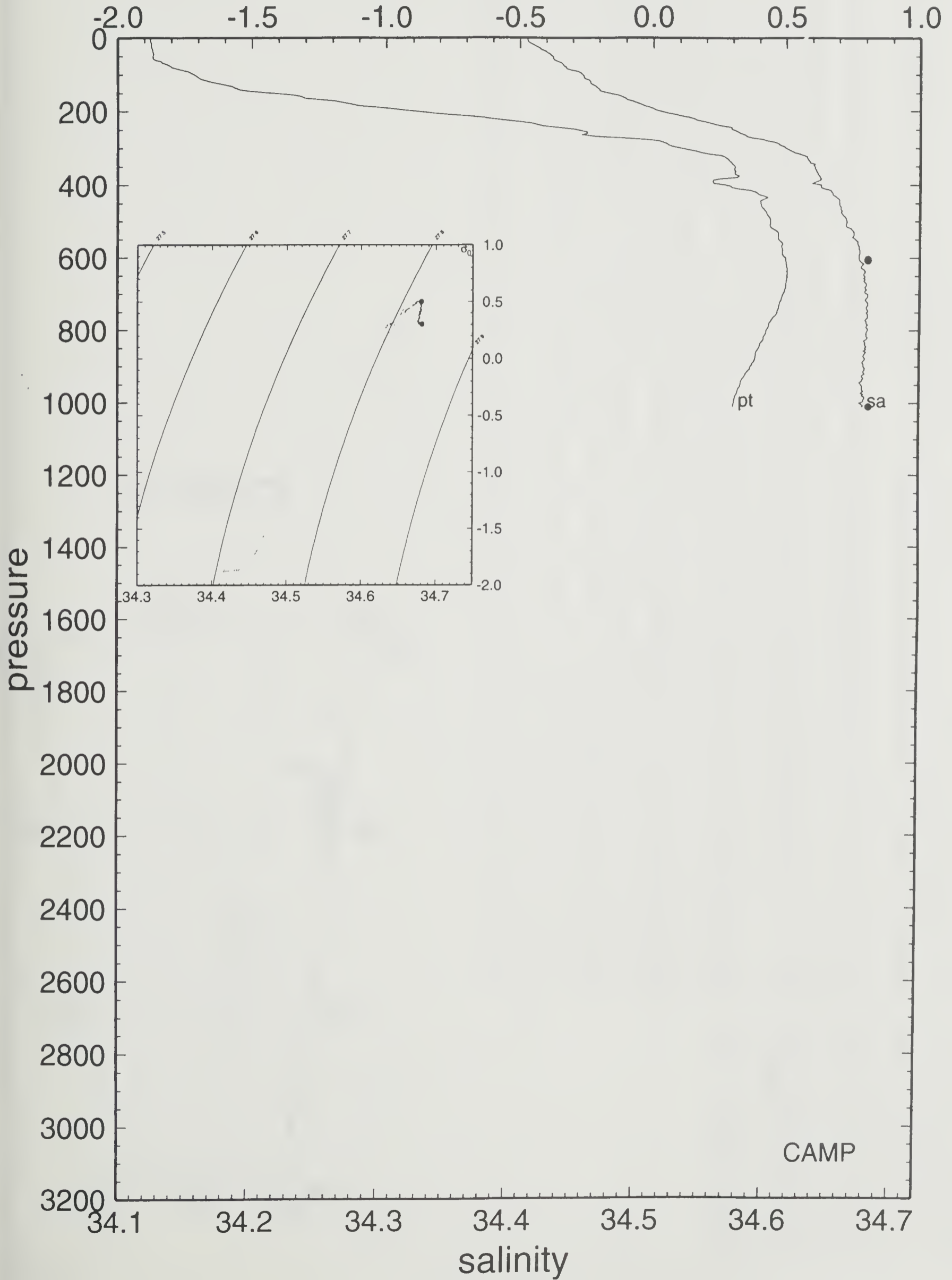
PRES	TEMPER	POTEMP	SLINTY	OXYG
604	0.525	0.498	34.680	
606	0.525	0.498	34.680	
608	0.526	0.499	34.680	
1010	0.350	0.302	34.681	

# CAMP 51



51 92/05/10 17:43 67 40.95 S 53 15.88 W CAMP

### potential temperature



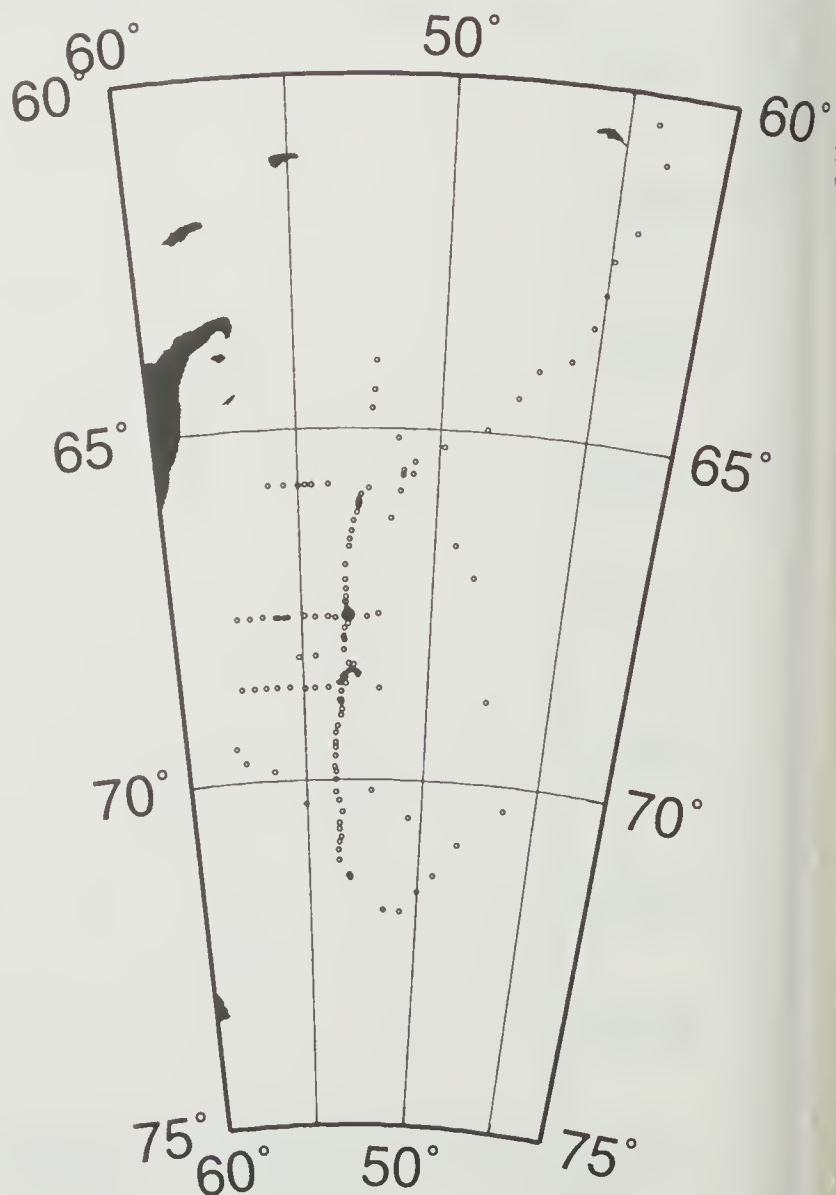
ISW-I -67.6495 -53.2367 92/05/11 132 17:00 CAMP STA# 52

bottom depth = 2888

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.869	-1.869	34.414	27.706	32.477	37.141	0.00	37.8
10	-1.880	-1.880	34.416	27.708	32.480	37.143	0.77	37.6
20	-1.876	-1.876	34.422	27.713	32.484	37.148	1.22	37.1
30	-1.872	-1.873	34.426	27.716	32.487	37.151	0.99	36.7
40	-1.869	-1.870	34.431	27.720	32.491	37.154	1.12	36.3
50	-1.866	-1.867	34.432	27.721	32.492	37.155	0.48	36.2
60	-1.871	-1.872	34.434	27.723	32.494	37.157	0.74	35.9
70	-1.868	-1.869	34.436	27.724	32.495	37.158	0.70	35.7
80	-1.834	-1.836	34.437	27.724	32.494	37.156	-0.22	35.7
90	-1.775	-1.777	34.448	27.732	32.499	37.160	1.50	34.9
100	-1.743	-1.745	34.459	27.740	32.506	37.165	1.58	34.1
110	-1.727	-1.729	34.464	27.743	32.509	37.168	1.06	33.7
120	-1.695	-1.698	34.466	27.744	32.509	37.167	0.44	33.6
130	-1.675	-1.678	34.470	27.747	32.511	37.168	0.90	33.3
140	-1.648	-1.651	34.470	27.746	32.509	37.166	-0.53	33.4
150	-1.553	-1.556	34.478	27.750	32.510	37.163	1.00	33.0
160	-1.407	-1.411	34.486	27.751	32.507	37.156	0.60	32.8
170	-1.207	-1.211	34.496	27.753	32.502	37.145	0.28	32.8
180	-1.136	-1.141	34.507	27.759	32.506	37.147	1.37	32.2
190	-1.025	-1.030	34.513	27.760	32.504	37.141	0.16	32.1
200	-0.966	-0.972	34.522	27.765	32.507	37.142	1.21	31.7
210	-0.729	-0.735	34.535	27.766	32.500	37.128	-0.44	31.7
220	-0.583	-0.590	34.549	27.771	32.501	37.124	1.12	31.3
230	-0.357	-0.365	34.565	27.773	32.496	37.113	0.56	31.2
240	-0.187	-0.196	34.582	27.779	32.497	37.108	1.15	30.8
250	-0.074	-0.083	34.594	27.783	32.497	37.105	0.99	30.5
260	0.016	0.006	34.602	27.785	32.496	37.102	0.58	30.3
270	0.075	0.065	34.611	27.789	32.499	37.102	1.07	30.0
280	0.092	0.081	34.617	27.793	32.502	37.105	1.09	29.6
290	0.182	0.171	34.627	27.796	32.502	37.103	0.87	29.4
300	0.207	0.195	34.631	27.798	32.503	37.103	0.72	29.3
325	0.113	0.100	34.627	27.800	32.508	37.111	0.60	29.0
350	0.132	0.118	34.629	27.800	32.508	37.110	0.24	29.0
375	0.237	0.222	34.638	27.802	32.507	37.106	0.22	28.9
400	0.297	0.280	34.645	27.804	32.507	37.105	0.45	28.8
425	0.318	0.300	34.647	27.805	32.507	37.104	0.17	28.8
450	0.421	0.402	34.658	27.808	32.507	37.101	0.46	28.6
475	0.455	0.434	34.664	27.811	32.509	37.102	0.55	28.4
500	0.467	0.445	34.665	27.811	32.509	37.101	0.04	28.4
550	0.454	0.430	34.668	27.814	32.513	37.105	0.47	28.2
600	0.460	0.433	34.669	27.815	32.513	37.106	0.18	28.2
650	0.510	0.481	34.676	27.818	32.515	37.106	0.35	28.0
700	0.523	0.491	34.679	27.819	32.516	37.107	0.31	28.0
750	0.508	0.473	34.680	27.821	32.518	37.110	0.37	27.8
800	0.486	0.449	34.681	27.824	32.521	37.113	0.42	27.6
850	0.456	0.416	34.680	27.825	32.523	37.116	0.34	27.5
900	0.431	0.389	34.679	27.826	32.525	37.119	0.31	27.4
950	0.386	0.341	34.679	27.828	32.529	37.124	0.50	27.1
1000	0.361	0.314	34.675	27.827	32.528	37.124	-0.23	27.2
1100	0.317	0.265	34.674	27.829	32.532	37.129	0.33	26.9
1200	0.262	0.204	34.675	27.833	32.538	37.137	0.44	26.4
1300	0.213	0.150	34.672	27.833	32.540	37.141	0.29	26.3
1400	0.172	0.103	34.669	27.834	32.542	37.144	0.25	26.1
1500	0.122	0.048	34.668	27.836	32.545	37.149	0.38	25.7
1600	0.093	0.013	34.668	27.838	32.548	37.153	0.33	25.4
1700	0.054	-0.032	34.667	27.839	32.551	37.157	0.34	25.1
1800	0.019	-0.073	34.665	27.840	32.553	37.160	0.29	24.9
1900	-0.013	-0.112	34.664	27.841	32.555	37.164	0.32	24.6
2000	-0.039	-0.144	34.661	27.840	32.556	37.165	0.19	24.5
2100	-0.072	-0.184	34.663	27.844	32.560	37.171	0.43	24.0
2200	-0.095	-0.213	34.660	27.843	32.560	37.172	0.18	23.9
2300	-0.121	-0.246	34.659	27.844	32.562	37.175	0.31	23.6
2400	-0.140	-0.272	34.659	27.845	32.564	37.177	0.31	23.3
2500	-0.160	-0.299	34.658	27.845	32.566	37.180	0.28	23.1
2600	-0.190	-0.337	34.655	27.845	32.566	37.181	0.26	22.9
2700	-0.252	-0.405	34.652	27.846	32.569	37.186	0.44	22.3
2800	-0.582	-0.736	34.622	27.836	32.570	37.197	0.75	20.6
2900	-1.105	-1.255	34.610	27.847	32.597	37.240	1.31	15.3
2930	-1.245	-1.394	34.608	27.850	32.604	37.251	1.26	13.8

PRES	TEMPER	POTEMP	SLINTY	OXYG
14	-1.877	-1.877	34.421	6.974
54	-1.868	-1.869	34.437	6.998
105	-1.737	-1.739	34.463	
206	-0.798	-0.804	34.549	5.649
408	0.312	0.295	34.650	4.919
611	0.465	0.438	34.672	4.711
813	0.479	0.441	34.688	4.639
1117	0.308	0.255	34.678	4.895
1524	0.113	0.037	34.672	5.178
1931	-0.021	-0.122	34.666	
2339	-0.128	-0.256	34.660	5.414
2645	-0.211	-0.361	34.655	5.314
2829	-0.715	-0.868	34.613	5.958
2880	-1.066	-1.216	34.609	6.635
2931	-1.258	-1.407	34.609	6.675

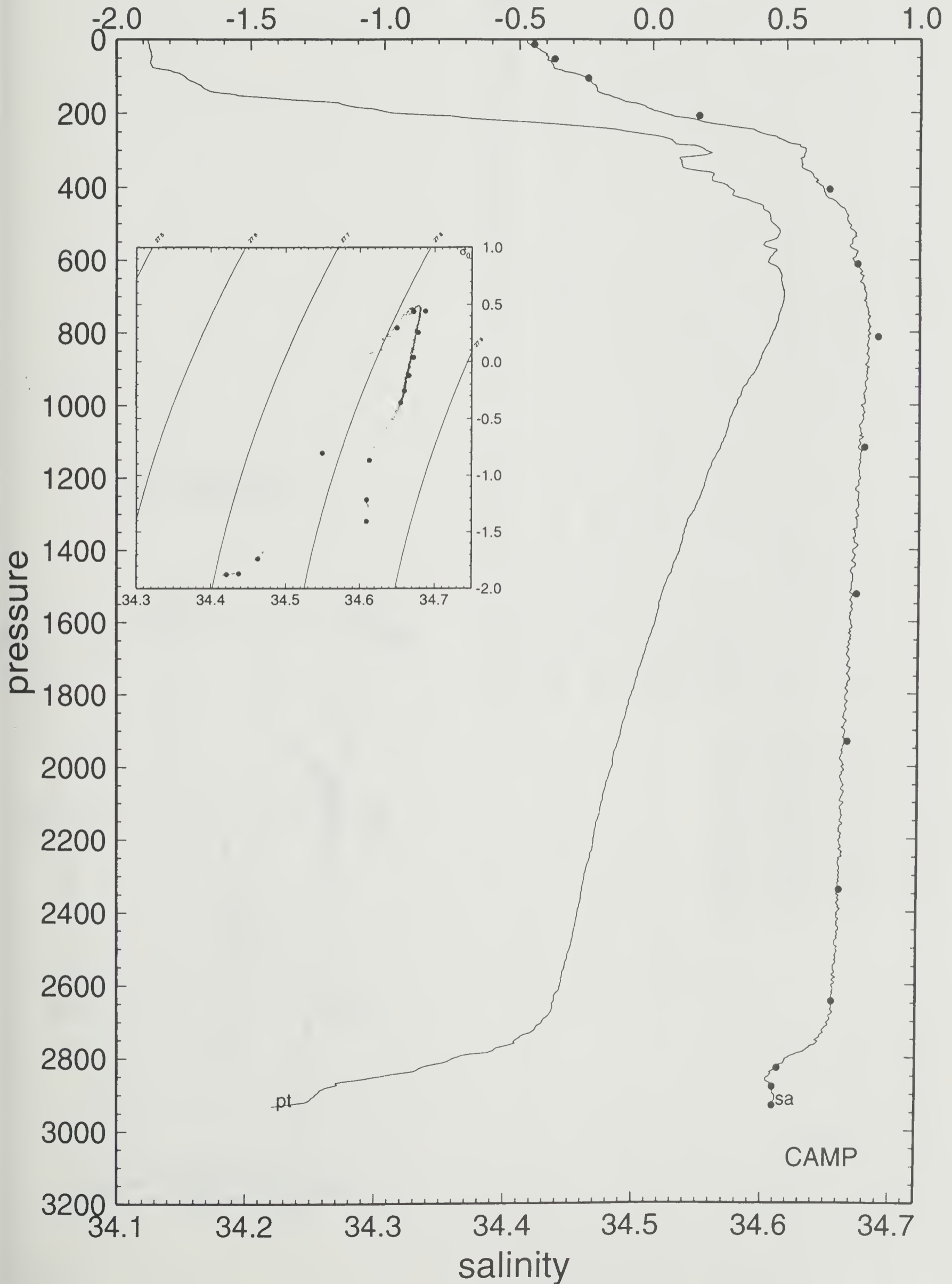
# CAMP 52





52 92/05/11 17:00 67 38.97 S 53 14.20 W CAMP

### potential temperature



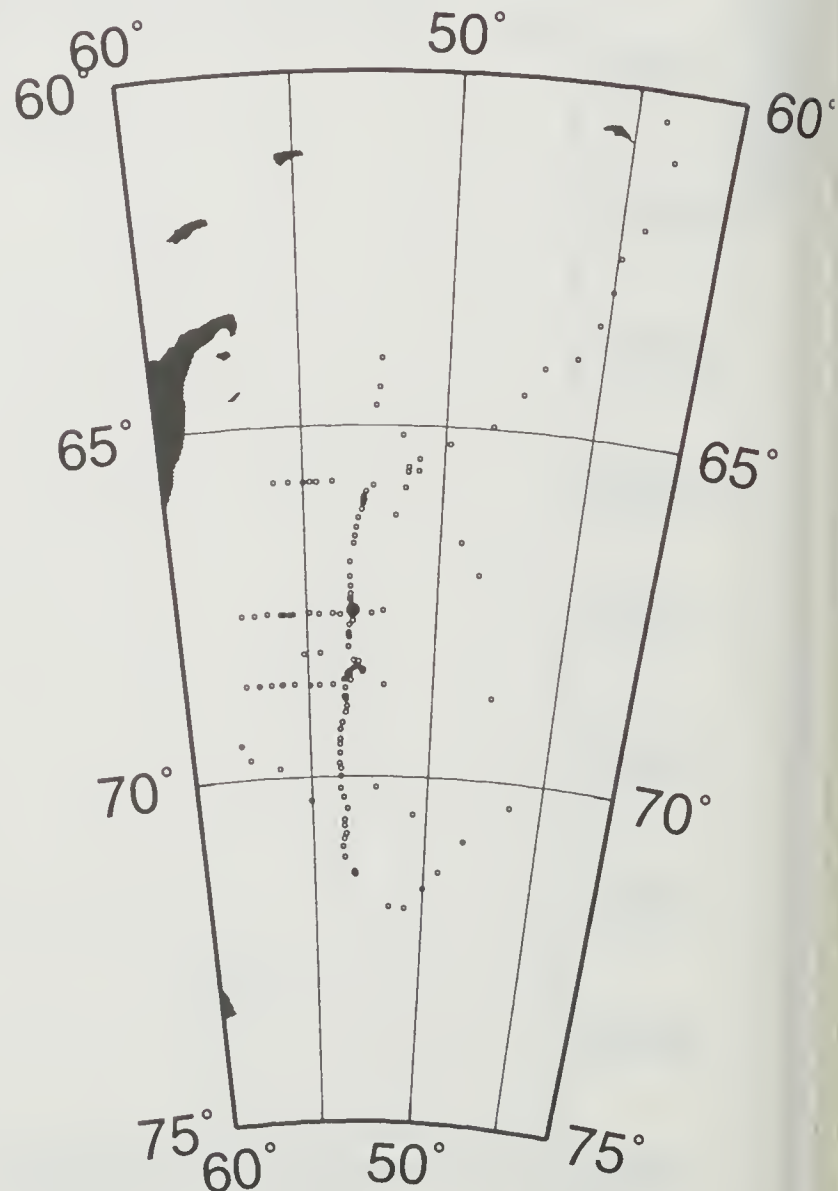
ISW-I -67.6178 -53.2217 92/05/13 134 17:00 CAMP STA# 53

bottom depth = 2902

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.854	-1.854	34.435	27.723	32.493	37.156	0.00	36.3
10	-1.868	-1.868	34.442	27.729	32.500	37.163	1.38	35.6
20	-1.869	-1.869	34.441	27.728	32.499	37.162	-0.49	35.6
30	-1.870	-1.871	34.443	27.730	32.501	37.164	0.72	35.4
40	-1.870	-1.871	34.443	27.730	32.501	37.164	0.04	35.4
50	-1.870	-1.871	34.442	27.729	32.500	37.163	-0.50	35.4
60	-1.870	-1.871	34.443	27.730	32.501	37.164	0.51	35.2
70	-1.866	-1.867	34.441	27.728	32.499	37.162	-0.74	35.3
80	-1.811	-1.813	34.444	27.729	32.498	37.160	0.52	35.2
90	-1.752	-1.754	34.456	27.738	32.504	37.164	1.58	34.4
100	-1.734	-1.736	34.459	27.739	32.506	37.165	0.77	34.2
110	-1.711	-1.713	34.460	27.740	32.505	37.163	0.17	34.1
120	-1.692	-1.695	34.464	27.742	32.507	37.165	0.91	33.8
130	-1.664	-1.667	34.464	27.742	32.506	37.162	-0.53	33.8
140	-1.605	-1.608	34.468	27.743	32.505	37.160	0.63	33.6
150	-1.519	-1.522	34.474	27.745	32.505	37.157	0.76	33.4
160	-1.438	-1.442	34.481	27.748	32.505	37.155	0.92	33.1
170	-1.342	-1.346	34.486	27.749	32.503	37.150	0.35	33.0
180	-1.257	-1.262	34.494	27.753	32.504	37.148	0.99	32.7
190	-1.174	-1.179	34.498	27.753	32.502	37.143	-0.23	32.7
200	-1.065	-1.071	34.509	27.758	32.503	37.141	1.15	32.2
210	-0.910	-0.916	34.525	27.765	32.505	37.139	1.37	31.6
220	-0.781	-0.788	34.529	27.763	32.499	37.129	-0.95	31.9
230	-0.632	-0.639	34.542	27.767	32.499	37.124	0.99	31.6
240	-0.529	-0.537	34.552	27.771	32.499	37.121	0.93	31.3
250	-0.450	-0.458	34.560	27.774	32.500	37.119	0.84	31.0
260	-0.322	-0.331	34.572	27.777	32.499	37.115	0.91	30.8
270	-0.216	-0.226	34.582	27.780	32.499	37.111	0.80	30.6
280	-0.181	-0.191	34.587	27.783	32.500	37.112	0.79	30.4
290	-0.043	-0.054	34.596	27.783	32.496	37.104	-0.54	30.4
300	0.032	0.021	34.606	27.787	32.498	37.103	1.04	30.1
325	0.164	0.151	34.624	27.795	32.502	37.103	0.88	29.5
350	0.250	0.236	34.632	27.796	32.501	37.099	0.33	29.5
375	0.321	0.306	34.641	27.800	32.502	37.099	0.56	29.2
400	0.349	0.332	34.646	27.802	32.504	37.099	0.52	29.0
425	0.396	0.378	34.651	27.804	32.504	37.098	0.32	29.0
450	0.425	0.406	34.656	27.806	32.505	37.099	0.50	28.8
475	0.438	0.418	34.658	27.807	32.506	37.099	0.31	28.8
500	0.449	0.427	34.662	27.810	32.508	37.101	0.56	28.5
550	0.447	0.423	34.663	27.811	32.509	37.102	0.27	28.5
600	0.499	0.472	34.669	27.813	32.510	37.101	0.26	28.4
650	0.536	0.506	34.674	27.815	32.511	37.101	0.29	28.4
700	0.535	0.503	34.678	27.818	32.514	37.105	0.47	28.1
750	0.523	0.488	34.679	27.820	32.516	37.107	0.35	28.0
800	0.501	0.464	34.682	27.824	32.521	37.113	0.52	27.6
850	0.460	0.420	34.679	27.824	32.522	37.115	0.28	27.6
900	0.422	0.380	34.678	27.825	32.525	37.119	0.40	27.4
950	0.395	0.350	34.677	27.826	32.527	37.122	0.33	27.3
1000	0.369	0.322	34.675	27.826	32.528	37.124	0.23	27.3
1010	0.364	0.316	34.676	27.827	32.529	37.125	0.63	27.1

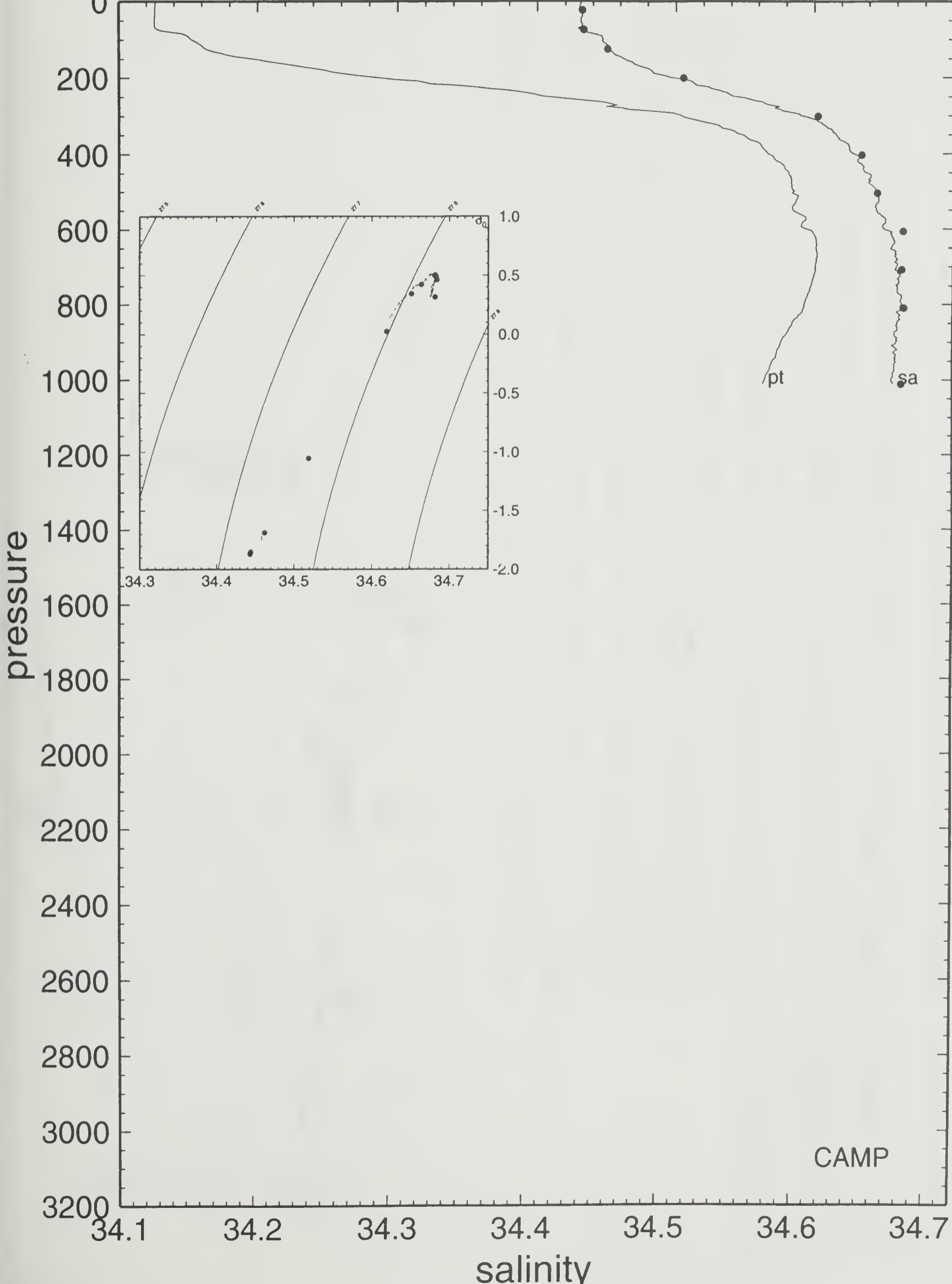
PRES	TEMPER	POTEMP	SLINTY	OXYG
24	-1.870	-1.870	34.443	6.893
75	-1.852	-1.853	34.444	6.837
125	-1.682	-1.685	34.462	6.682
201	-1.049	-1.055	34.519	6.290
302	0.036	0.024	34.619	5.460
404	0.360	0.343	34.652	5.153
505	0.444	0.422	34.664	5.052
606	0.517	0.490	34.683	5.117
708	0.536	0.503	34.682	5.027
809	0.500	0.462	34.684	5.072
1012	0.363	0.315	34.682	5.027

# CAMP 53



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

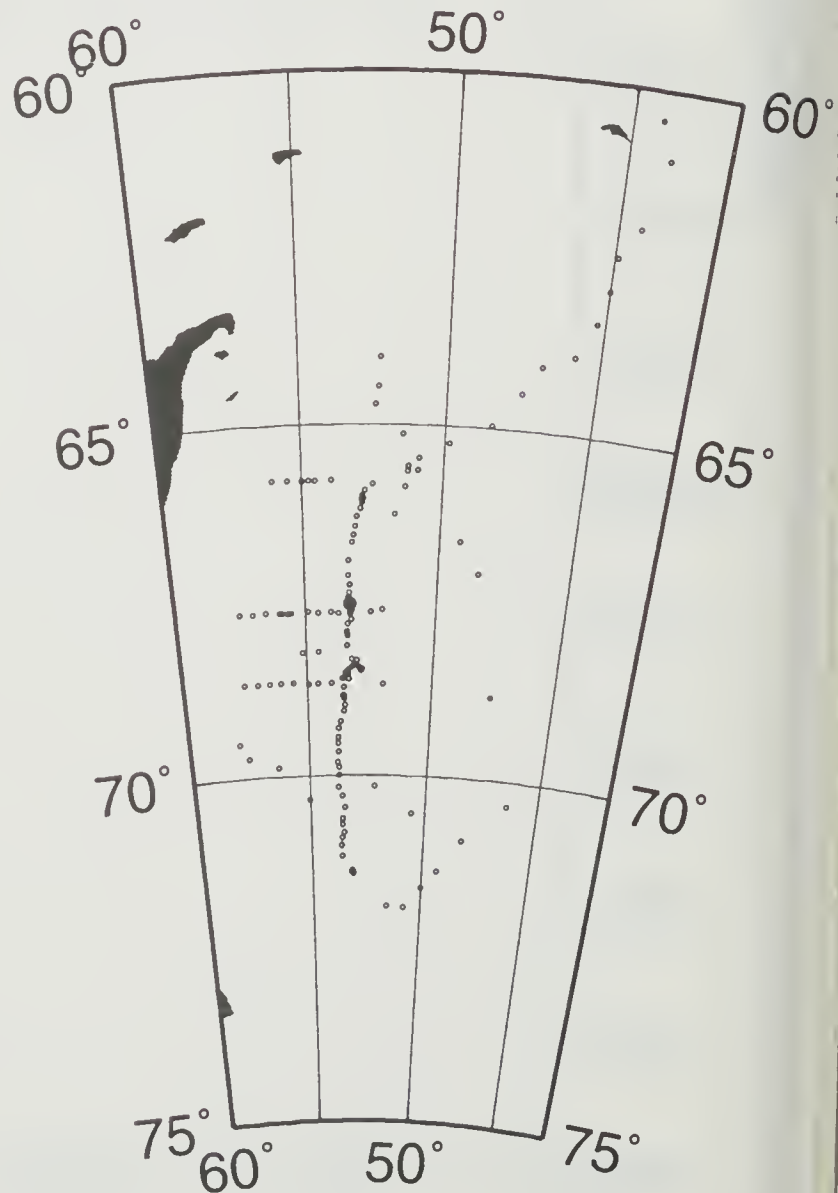


ISW-I -67.5452 -53.2820 92/05/16 137 16:05 CAMP STA# 54  
 bottom depth = 2890

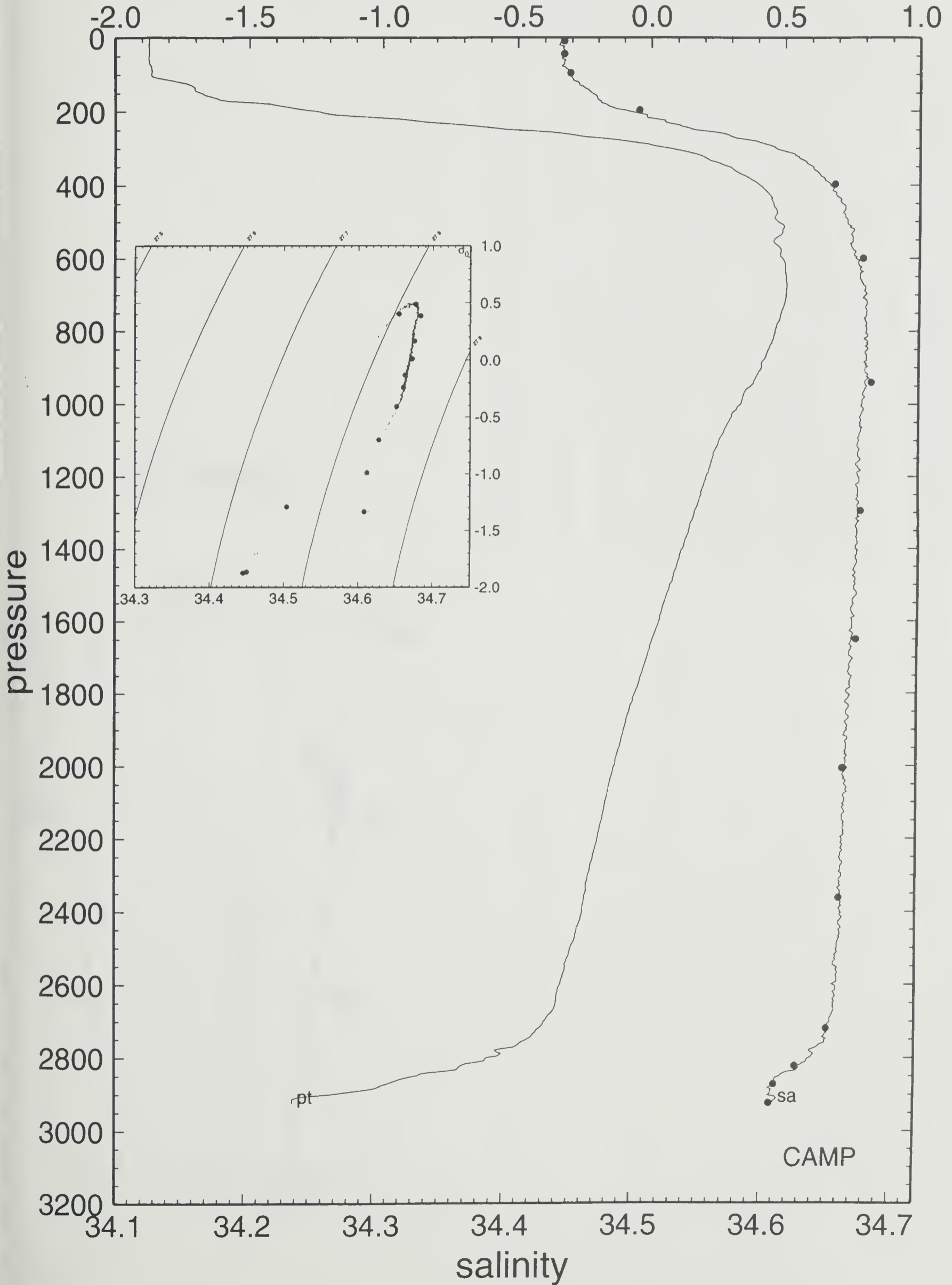
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.870	-1.870	34.446	27.732	32.503	37.166	0.00	35.4
10	-1.873	-1.873	34.444	27.731	32.502	37.165	-0.70	35.5
20	-1.873	-1.873	34.441	27.729	32.499	37.163	-0.87	35.6
30	-1.873	-1.874	34.444	27.731	32.502	37.165	0.87	35.3
40	-1.873	-1.874	34.444	27.731	32.502	37.165	0.04	35.3
50	-1.873	-1.874	34.444	27.731	32.502	37.165	0.04	35.2
60	-1.874	-1.875	34.446	27.733	32.503	37.167	0.72	35.0
70	-1.871	-1.872	34.445	27.732	32.502	37.166	-0.53	35.0
80	-1.864	-1.866	34.446	27.732	32.503	37.166	0.44	34.9
90	-1.860	-1.862	34.449	27.735	32.505	37.168	0.85	34.6
100	-1.863	-1.865	34.449	27.735	32.505	37.168	0.17	34.6
110	-1.832	-1.834	34.451	27.736	32.505	37.167	0.47	34.4
120	-1.757	-1.759	34.456	27.738	32.505	37.164	0.74	34.2
130	-1.712	-1.715	34.458	27.738	32.504	37.162	0.25	34.1
140	-1.702	-1.705	34.464	27.743	32.508	37.166	1.19	33.6
150	-1.677	-1.680	34.467	27.744	32.509	37.166	0.71	33.4
160	-1.643	-1.647	34.471	27.747	32.510	37.166	0.81	33.2
170	-1.592	-1.596	34.473	27.747	32.508	37.163	-0.22	33.1
180	-1.420	-1.424	34.478	27.745	32.502	37.151	-0.84	33.3
190	-1.337	-1.342	34.485	27.748	32.502	37.149	0.88	33.0
200	-1.240	-1.245	34.497	27.755	32.505	37.149	1.35	32.4
210	-1.148	-1.154	34.510	27.762	32.510	37.150	1.44	31.8
220	-0.933	-0.939	34.517	27.760	32.501	37.135	-1.11	32.1
230	-0.791	-0.798	34.526	27.761	32.498	37.128	0.42	32.0
240	-0.641	-0.649	34.537	27.764	32.496	37.121	0.67	31.9
250	-0.484	-0.492	34.550	27.767	32.494	37.115	0.85	31.6
260	-0.318	-0.327	34.570	27.776	32.497	37.113	1.49	30.9
270	-0.206	-0.216	34.577	27.776	32.494	37.106	-0.47	31.0
280	-0.080	-0.090	34.594	27.783	32.498	37.106	1.40	30.4
290	0.009	-0.002	34.603	27.786	32.498	37.103	0.77	30.2
300	0.086	0.074	34.609	27.787	32.496	37.100	0.16	30.2
325	0.215	0.202	34.627	27.794	32.500	37.099	0.89	29.6
350	0.303	0.289	34.637	27.797	32.500	37.097	0.54	29.4
375	0.366	0.350	34.644	27.800	32.501	37.096	0.42	29.3
400	0.422	0.405	34.651	27.802	32.501	37.095	0.48	29.1
425	0.458	0.440	34.656	27.804	32.502	37.095	0.44	29.0
450	0.475	0.456	34.660	27.806	32.504	37.096	0.51	28.8
475	0.491	0.470	34.661	27.806	32.504	37.095	-0.18	28.9
500	0.492	0.470	34.665	27.809	32.507	37.098	0.63	28.6
550	0.483	0.459	34.669	27.813	32.511	37.103	0.50	28.3
600	0.515	0.488	34.671	27.813	32.510	37.101	-0.20	28.4
650	0.533	0.503	34.675	27.816	32.512	37.102	0.35	28.3
700	0.536	0.504	34.679	27.819	32.515	37.105	0.44	28.1
750	0.521	0.486	34.680	27.821	32.517	37.108	0.37	27.9
800	0.501	0.464	34.680	27.822	32.519	37.111	0.34	27.8
850	0.480	0.440	34.681	27.824	32.522	37.114	0.42	27.6
900	0.457	0.415	34.679	27.824	32.523	37.116	0.19	27.6
950	0.422	0.377	34.680	27.827	32.527	37.121	0.50	27.3
1000	0.385	0.338	34.677	27.827	32.528	37.123	0.25	27.2
1100	0.309	0.257	34.675	27.830	32.533	37.131	0.42	26.8
1200	0.268	0.210	34.674	27.832	32.537	37.136	0.32	26.6
1300	0.229	0.166	34.674	27.834	32.540	37.141	0.36	26.2
1400	0.190	0.121	34.672	27.835	32.542	37.144	0.29	26.1
1500	0.150	0.075	34.672	27.837	32.546	37.149	0.37	25.7
1600	0.116	0.035	34.670	27.838	32.548	37.152	0.27	25.5
1700	0.078	-0.009	34.670	27.840	32.552	37.157	0.37	25.1
1800	0.041	-0.052	34.667	27.840	32.553	37.160	0.26	25.0
1900	0.005	-0.094	34.667	27.842	32.556	37.164	0.37	24.6
2000	-0.023	-0.128	34.666	27.843	32.558	37.167	0.30	24.3
2100	-0.051	-0.163	34.665	27.844	32.560	37.170	0.31	24.1
2200	-0.073	-0.192	34.663	27.844	32.561	37.172	0.23	23.9
2300	-0.101	-0.227	34.663	27.846	32.564	37.176	0.35	23.5
2400	-0.116	-0.249	34.662	27.846	32.565	37.177	0.24	23.4
2500	-0.152	-0.292	34.660	27.847	32.567	37.180	0.34	23.1
2600	-0.183	-0.330	34.656	27.845	32.566	37.181	0.22	22.9
2700	-0.235	-0.389	34.655	27.847	32.570	37.187	0.45	22.3
2800	-0.444	-0.601	34.640	27.845	32.574	37.197	0.69	20.9
2900	-1.041	-1.193	34.609	27.844	32.592	37.233	1.24	16.1
2920	-1.182	-1.332	34.611	27.850	32.603	37.248	1.70	14.3

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.874	-1.874	34.445	6.766
44	-1.873	-1.874	34.445	6.760
95	-1.863	-1.865	34.450	6.771
196	-1.287	-1.292	34.504	6.217
398	0.419	0.402	34.655	5.018
600	0.515	0.488	34.677	4.677
940	0.430	0.386	34.684	4.870
1295	0.229	0.166	34.676	5.000
1650	0.094	0.010	34.673	5.073
2006	-0.027	-0.133	34.663	5.226
2363	-0.111	-0.241	34.661	5.290
2720	-0.254	-0.409	34.652	
2823	-0.545	-0.702	34.628	5.873
2874	-0.836	-0.990	34.612	6.233
2925	-1.182	-1.332	34.608	6.588

# CAMP 54



### potential temperature

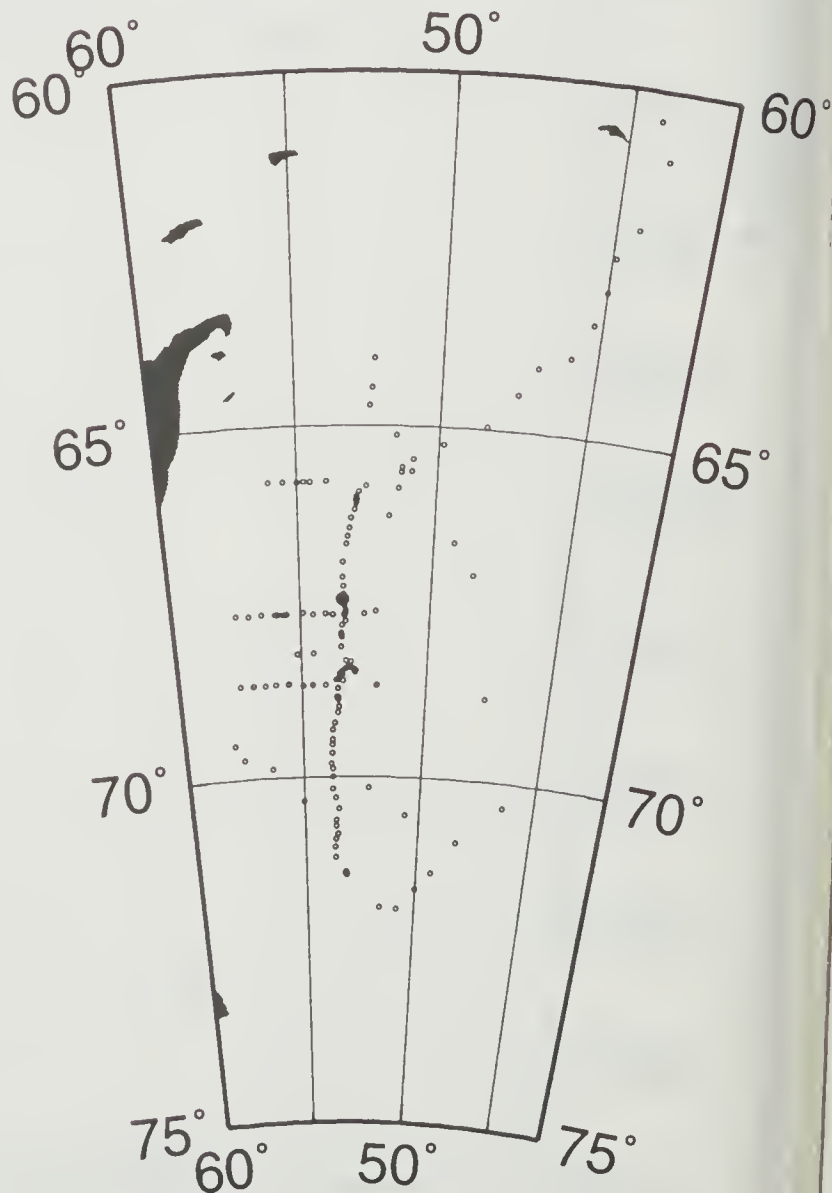


ISW-I -67.4623 -53.3282 92/05/18 139 14:10 CAMP STA# 55

bottom depth =

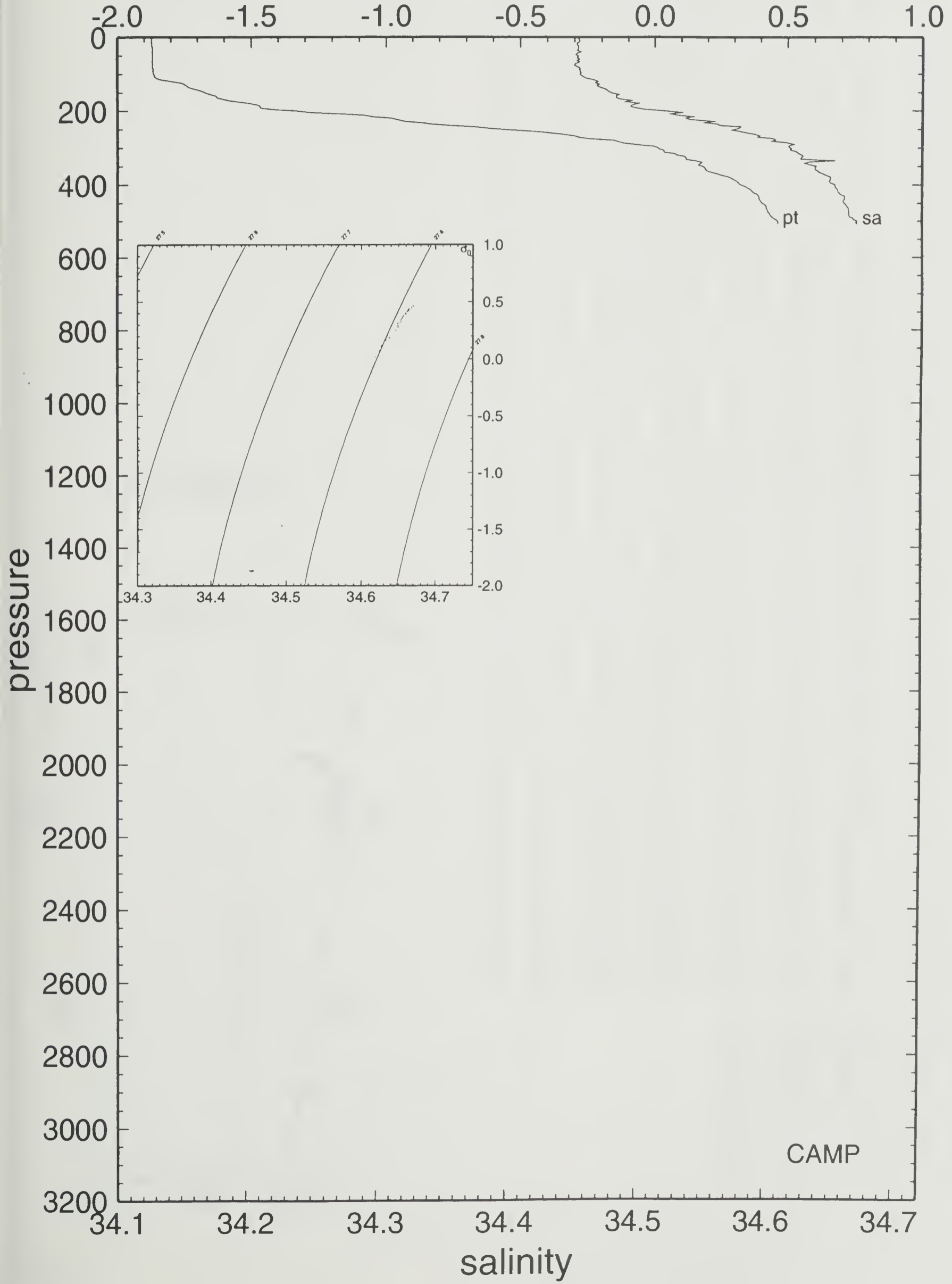
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.873	-1.873	34.454	27.739	32.510	37.173	0.00	34.8
10	-1.872	-1.872	34.455	27.740	32.510	37.174	0.50	34.6
20	-1.871	-1.871	34.453	27.738	32.509	37.172	-0.72	34.7
30	-1.869	-1.870	34.454	27.739	32.510	37.173	0.49	34.6
40	-1.869	-1.870	34.456	27.741	32.511	37.174	0.71	34.4
50	-1.867	-1.868	34.453	27.738	32.509	37.172	-0.88	34.5
60	-1.867	-1.868	34.455	27.740	32.510	37.173	0.71	34.3
70	-1.868	-1.869	34.453	27.738	32.509	37.172	-0.71	34.4
80	-1.867	-1.869	34.453	27.738	32.509	37.172	-0.08	34.4
90	-1.865	-1.867	34.455	27.740	32.510	37.173	0.70	34.2
100	-1.862	-1.864	34.455	27.740	32.510	37.173	-0.16	34.1
110	-1.855	-1.857	34.459	27.743	32.513	37.176	0.98	33.7
120	-1.790	-1.792	34.469	27.749	32.517	37.178	1.39	33.1
130	-1.742	-1.745	34.469	27.748	32.514	37.173	-0.69	33.2
140	-1.707	-1.710	34.474	27.751	32.516	37.174	0.96	32.9
150	-1.668	-1.671	34.479	27.754	32.518	37.175	0.93	32.5
160	-1.627	-1.631	34.483	27.756	32.519	37.174	0.76	32.3
170	-1.589	-1.593	34.491	27.761	32.523	37.177	1.27	31.8
180	-1.501	-1.505	34.501	27.767	32.525	37.177	1.24	31.3
190	-1.461	-1.466	34.496	27.761	32.519	37.169	-1.32	31.7
200	-1.334	-1.339	34.518	27.775	32.528	37.175	2.01	30.5
210	-1.113	-1.119	34.528	27.775	32.522	37.161	-0.60	30.5
220	-0.975	-0.981	34.537	27.777	32.519	37.155	0.60	30.4
230	-0.891	-0.898	34.555	27.789	32.528	37.161	1.83	29.4
240	-0.752	-0.759	34.564	27.790	32.525	37.154	0.42	29.3
250	-0.558	-0.566	34.576	27.792	32.521	37.143	-0.24	29.3
260	-0.386	-0.395	34.584	27.790	32.514	37.131	-0.93	29.5
270	-0.282	-0.291	34.594	27.793	32.514	37.128	0.84	29.3
280	-0.147	-0.157	34.607	27.797	32.514	37.124	0.92	29.0
290	-0.078	-0.089	34.618	27.803	32.517	37.125	1.22	28.6
300	0.022	0.011	34.617	27.797	32.508	37.113	-1.47	29.2
325	0.124	0.111	34.628	27.800	32.508	37.110	0.56	29.0
350	0.185	0.171	34.635	27.802	32.509	37.109	0.47	28.8
375	0.263	0.248	34.645	27.806	32.510	37.108	0.61	28.6
400	0.334	0.317	34.652	27.808	32.510	37.106	0.33	28.5
425	0.392	0.374	34.656	27.808	32.508	37.102	-0.31	28.6
450	0.419	0.400	34.660	27.810	32.509	37.103	0.42	28.5
475	0.445	0.424	34.664	27.811	32.510	37.103	0.42	28.4
500	0.482	0.460	34.670	27.814	32.512	37.103	0.52	28.2
505	0.486	0.464	34.669	27.813	32.510	37.102	-0.82	28.3

# CAMP 55



55 92/05/18 14:10 67 27.74 S 53 19.69 W CAMP

### potential temperature

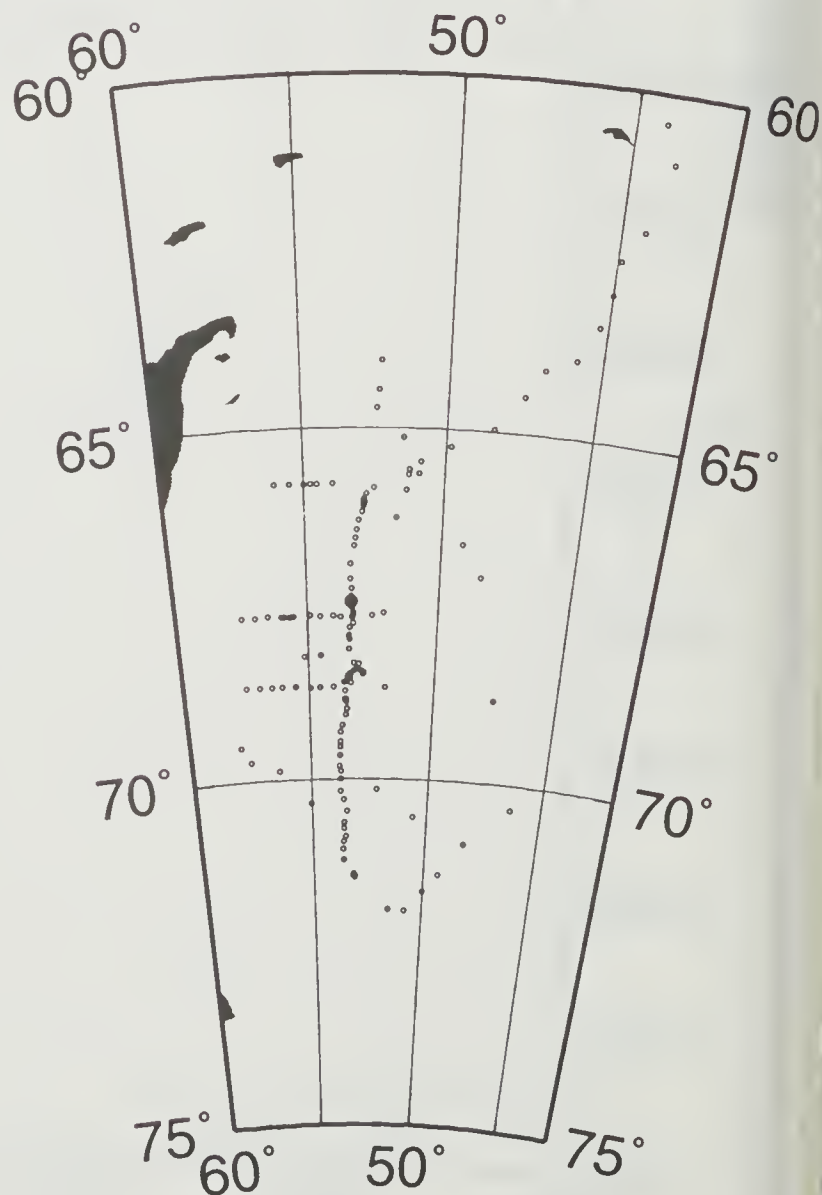


ISW-I -67.4595 -53.3118 92/05/18 139 16:16 CAMP STA# 56

bottom depth = 2866

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.861	-1.861	34.442	27.729	32.499	37.162	0.00	35.7
10	-1.864	-1.864	34.440	27.727	32.498	37.161	-0.70	35.8
20	-1.863	-1.863	34.441	27.728	32.499	37.162	0.50	35.7
30	-1.863	-1.864	34.441	27.728	32.499	37.162	0.04	35.6
40	-1.863	-1.864	34.442	27.729	32.500	37.163	0.51	35.5
50	-1.864	-1.865	34.443	27.730	32.500	37.163	0.51	35.3
60	-1.864	-1.865	34.444	27.731	32.501	37.164	0.51	35.2
70	-1.864	-1.865	34.445	27.732	32.502	37.165	0.51	35.0
80	-1.863	-1.865	34.443	27.730	32.500	37.163	-0.72	35.1
90	-1.859	-1.861	34.443	27.730	32.500	37.163	-0.19	35.1
100	-1.775	-1.777	34.449	27.732	32.500	37.160	0.86	34.8
110	-1.747	-1.749	34.454	27.736	32.502	37.162	1.00	34.4
120	-1.727	-1.730	34.459	27.739	32.505	37.164	1.04	34.1
130	-1.697	-1.700	34.462	27.741	32.506	37.164	0.68	33.9
140	-1.672	-1.675	34.461	27.739	32.504	37.161	-0.71	34.0
150	-1.645	-1.648	34.467	27.743	32.507	37.163	1.11	33.5
160	-1.630	-1.634	34.469	27.745	32.508	37.163	0.59	33.4
170	-1.585	-1.589	34.473	27.747	32.508	37.162	0.72	33.2
180	-1.504	-1.508	34.477	27.747	32.506	37.158	0.31	33.1
190	-1.365	-1.370	34.487	27.751	32.505	37.153	0.94	32.8
200	-1.317	-1.322	34.492	27.753	32.506	37.152	0.82	32.5
210	-1.121	-1.127	34.504	27.756	32.503	37.143	0.69	32.3
220	-0.942	-0.948	34.518	27.761	32.502	37.136	1.02	32.0
230	-0.817	-0.824	34.529	27.765	32.502	37.133	0.97	31.7
240	-0.637	-0.645	34.542	27.768	32.499	37.124	0.71	31.5
250	-0.480	-0.488	34.555	27.771	32.498	37.118	0.85	31.3
260	-0.329	-0.338	34.569	27.775	32.497	37.113	0.98	31.0
270	-0.232	-0.242	34.582	27.781	32.500	37.113	1.25	30.5
280	-0.165	-0.175	34.587	27.782	32.499	37.110	0.22	30.5
290	-0.076	-0.087	34.596	27.785	32.499	37.107	0.79	30.3
300	0.012	0.001	34.605	27.787	32.499	37.105	0.77	30.1
325	0.114	0.101	34.615	27.790	32.499	37.101	0.46	29.9
350	0.178	0.164	34.625	27.795	32.501	37.102	0.71	29.5
375	0.257	0.242	34.633	27.797	32.501	37.100	0.40	29.4
400	0.339	0.322	34.642	27.800	32.501	37.097	0.47	29.3
425	0.379	0.361	34.646	27.801	32.501	37.096	0.25	29.2
450	0.432	0.413	34.655	27.805	32.504	37.097	0.67	28.9
475	0.460	0.439	34.658	27.806	32.504	37.096	0.24	28.9
500	0.474	0.452	34.662	27.808	32.506	37.098	0.53	28.7
550	0.500	0.476	34.667	27.811	32.508	37.099	0.38	28.6
600	0.523	0.496	34.671	27.813	32.509	37.100	0.32	28.5
650	0.528	0.498	34.673	27.814	32.511	37.101	0.30	28.4
700	0.536	0.504	34.677	27.817	32.513	37.104	0.42	28.2
750	0.508	0.473	34.678	27.820	32.517	37.108	0.45	28.0
800	0.481	0.444	34.677	27.821	32.519	37.111	0.32	27.9
850	0.458	0.418	34.677	27.822	32.521	37.114	0.36	27.7
900	0.432	0.390	34.677	27.824	32.523	37.117	0.39	27.6
950	0.400	0.355	34.676	27.825	32.526	37.120	0.37	27.4
1000	0.374	0.327	34.673	27.824	32.526	37.121	0.07	27.4
1100	0.314	0.262	34.674	27.829	32.532	37.130	0.45	26.9
1200	0.262	0.204	34.672	27.830	32.535	37.135	0.33	26.7
1300	0.223	0.160	34.670	27.831	32.538	37.138	0.28	26.5
1400	0.179	0.110	34.668	27.832	32.540	37.142	0.31	26.3
1500	0.147	0.072	34.669	27.835	32.544	37.147	0.37	25.9
1600	0.112	0.031	34.669	27.837	32.548	37.152	0.36	25.6
1700	0.071	-0.015	34.667	27.838	32.550	37.156	0.31	25.3
1800	0.036	-0.057	34.664	27.838	32.551	37.158	0.24	25.1
1900	0.007	-0.092	34.666	27.841	32.555	37.163	0.41	24.7
2000	-0.021	-0.126	34.662	27.840	32.555	37.164	0.14	24.6
2100	-0.048	-0.160	34.662	27.842	32.558	37.168	0.34	24.3
2200	-0.078	-0.197	34.660	27.842	32.559	37.170	0.28	24.1
2300	-0.097	-0.223	34.660	27.843	32.561	37.173	0.31	23.8
2400	-0.118	-0.251	34.659	27.844	32.563	37.175	0.28	23.6
2500	-0.143	-0.283	34.658	27.845	32.564	37.178	0.31	23.3
2600	-0.168	-0.315	34.656	27.845	32.565	37.180	0.27	23.1
2700	-0.236	-0.390	34.653	27.846	32.569	37.185	0.47	22.4
2800	-0.527	-0.682	34.626	27.837	32.569	37.195	0.70	20.9
2900	-1.198	-1.346	34.607	27.848	32.600	37.246	1.45	14.5
2905	-1.199	-1.348	34.607	27.848	32.600	37.246	0.32	14.5
PRES	TEMPER	POTEMP	SLINTY	OXYG				
8	-1.864	-1.864	34.444	6.664				
28	-1.864	-1.865	34.447	6.603				
48	-1.864	-1.865	34.450	6.919				
69	-1.864	-1.865	34.448	6.615				
89	-1.860	-1.862	34.453	6.692				
109	-1.747	-1.749	34.464	6.525				
150	-1.645	-1.648	34.472	6.507				
676	0.537	0.506	34.681	4.855				
1010	0.370	0.322	34.678	4.944				
2906	-1.200	-1.349	34.605	6.706				

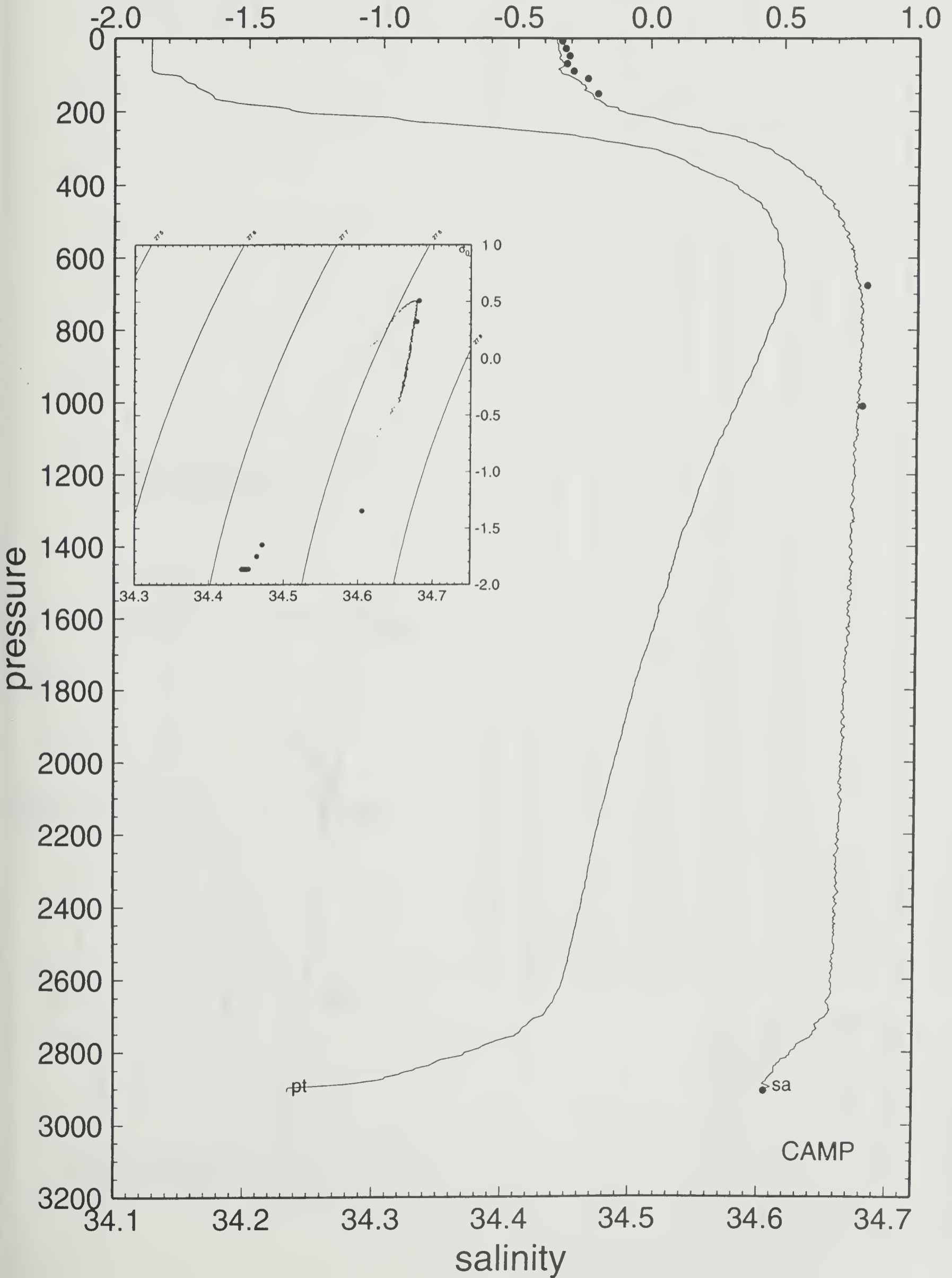
# CAMP 56





56 92/05/18 16:16 67 27.57 S 53 18.71 W CAMP

### potential temperature

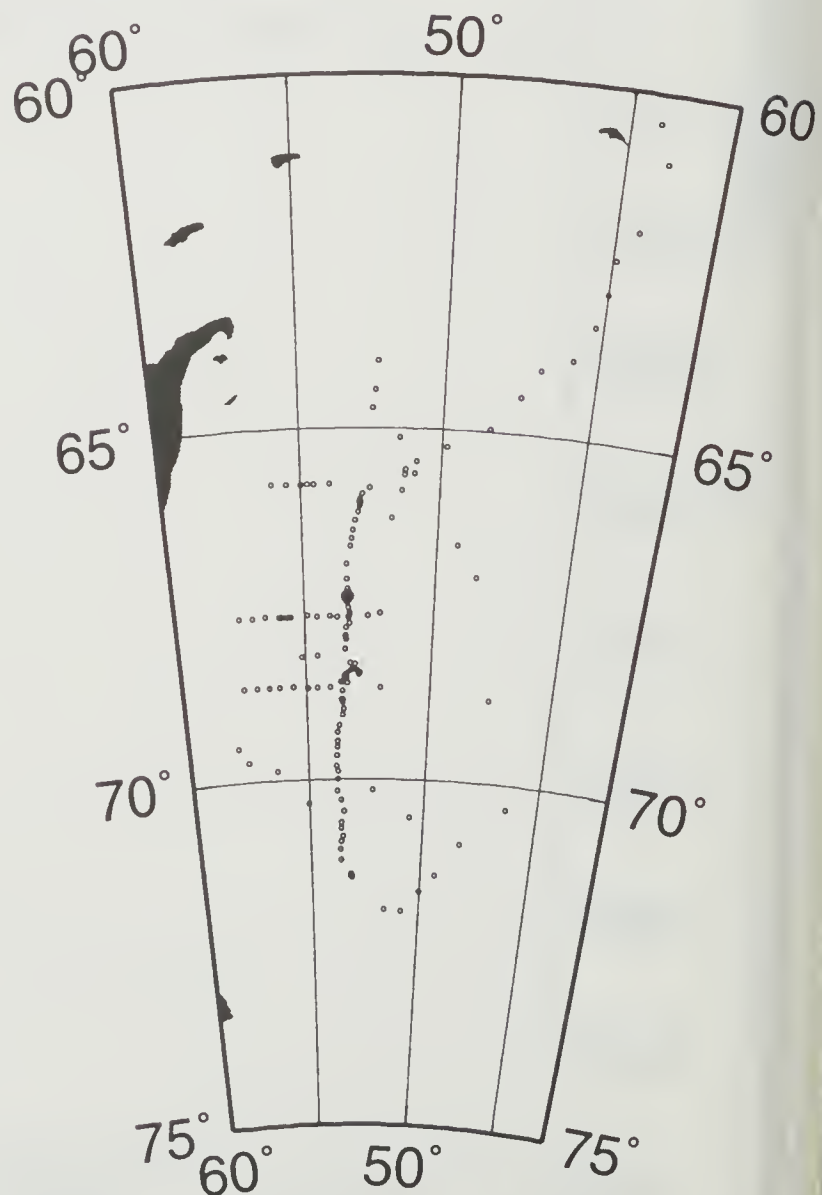


bottom depth = 2892

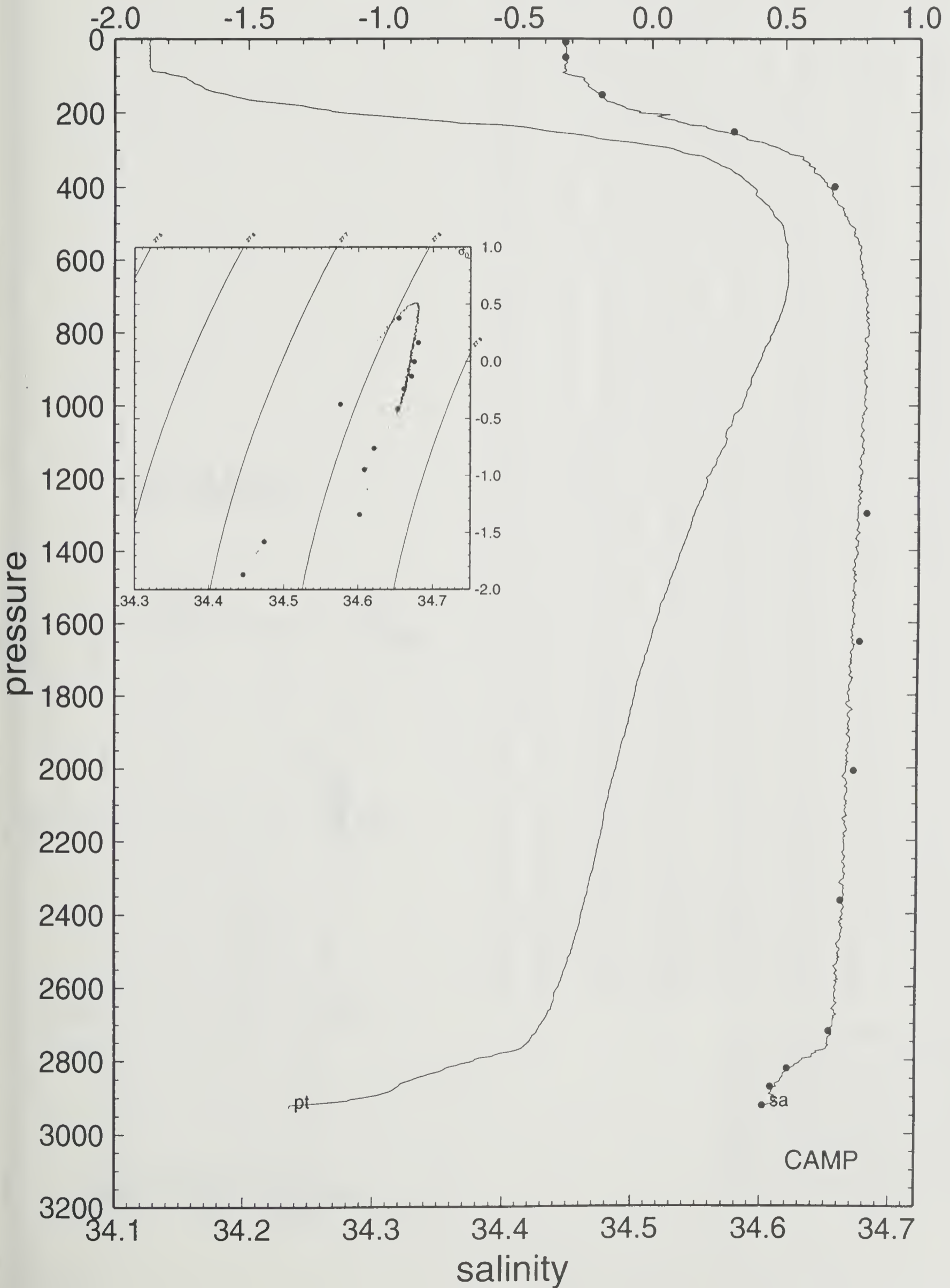
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.865	-1.865	34.449	27.735	32.505	37.168	0.00	35.2
10	-1.869	-1.869	34.448	27.734	32.505	37.168	-0.47	35.2
20	-1.868	-1.868	34.445	27.732	32.502	37.165	-0.88	35.3
30	-1.868	-1.869	34.447	27.733	32.504	37.167	0.71	35.1
40	-1.868	-1.869	34.446	27.732	32.503	37.166	-0.50	35.1
50	-1.868	-1.869	34.448	27.734	32.505	37.168	0.71	34.9
60	-1.867	-1.868	34.446	27.732	32.503	37.166	-0.72	35.0
70	-1.867	-1.868	34.446	27.732	32.503	37.166	0.04	35.0
80	-1.863	-1.865	34.445	27.732	32.502	37.165	-0.54	35.0
90	-1.833	-1.835	34.445	27.731	32.500	37.162	-0.52	35.0
100	-1.758	-1.760	34.452	27.734	32.502	37.161	1.04	34.6
110	-1.723	-1.725	34.460	27.740	32.506	37.164	1.30	34.1
120	-1.700	-1.703	34.463	27.742	32.507	37.165	0.73	33.8
130	-1.669	-1.672	34.464	27.742	32.506	37.163	-0.25	33.8
140	-1.637	-1.640	34.469	27.745	32.508	37.164	0.97	33.5
150	-1.577	-1.580	34.472	27.745	32.507	37.161	0.34	33.4
160	-1.523	-1.527	34.475	27.746	32.506	37.158	0.40	33.3
170	-1.424	-1.428	34.480	27.747	32.504	37.153	0.36	33.2
180	-1.301	-1.306	34.489	27.750	32.503	37.148	0.89	32.9
190	-1.219	-1.224	34.496	27.753	32.503	37.146	0.86	32.6
200	-1.142	-1.147	34.503	27.756	32.504	37.144	0.87	32.4
210	-0.969	-0.975	34.519	27.763	32.505	37.140	1.29	31.8
220	-0.820	-0.827	34.531	27.766	32.504	37.134	0.93	31.5
230	-0.638	-0.645	34.541	27.767	32.498	37.124	-0.52	31.6
240	-0.462	-0.470	34.555	27.770	32.496	37.116	0.82	31.4
250	-0.374	-0.383	34.566	27.775	32.499	37.116	1.14	31.0
260	-0.255	-0.264	34.580	27.781	32.500	37.114	1.21	30.5
270	-0.179	-0.189	34.586	27.782	32.499	37.111	0.39	30.5
280	-0.059	-0.069	34.598	27.785	32.499	37.107	0.90	30.2
290	0.032	0.021	34.605	27.786	32.497	37.102	0.20	30.2
300	0.100	0.088	34.613	27.789	32.498	37.101	0.84	30.0
325	0.224	0.211	34.630	27.796	32.501	37.101	0.85	29.4
350	0.293	0.279	34.638	27.799	32.502	37.099	0.49	29.3
375	0.349	0.333	34.644	27.800	32.502	37.098	0.37	29.2
400	0.391	0.374	34.648	27.801	32.502	37.096	0.22	29.2
425	0.405	0.387	34.652	27.804	32.504	37.098	0.54	29.0
450	0.445	0.426	34.657	27.806	32.504	37.097	0.40	28.9
475	0.472	0.451	34.662	27.808	32.506	37.098	0.52	28.7
500	0.504	0.482	34.665	27.809	32.506	37.097	0.14	28.7
550	0.524	0.499	34.673	27.814	32.511	37.101	0.56	28.3
600	0.535	0.508	34.674	27.814	32.511	37.101	0.10	28.3
650	0.539	0.509	34.676	27.816	32.512	37.102	0.30	28.3
700	0.533	0.501	34.679	27.819	32.515	37.106	0.44	28.0
750	0.516	0.481	34.679	27.820	32.517	37.108	0.31	27.9
800	0.491	0.454	34.681	27.823	32.521	37.113	0.49	27.6
850	0.459	0.419	34.680	27.825	32.523	37.116	0.36	27.5
900	0.432	0.390	34.680	27.826	32.526	37.120	0.39	27.3
950	0.409	0.364	34.680	27.828	32.528	37.123	0.37	27.2
1000	0.387	0.340	34.678	27.828	32.529	37.124	0.18	27.2
1100	0.332	0.279	34.677	27.830	32.533	37.130	0.37	26.8
1200	0.263	0.205	34.675	27.833	32.538	37.137	0.40	26.4
1300	0.225	0.162	34.673	27.834	32.540	37.140	0.27	26.3
1400	0.183	0.114	34.672	27.835	32.543	37.145	0.34	26.0
1500	0.139	0.064	34.670	27.836	32.546	37.149	0.32	25.7
1600	0.099	0.019	34.670	27.839	32.549	37.154	0.38	25.4
1700	0.064	-0.022	34.668	27.839	32.551	37.157	0.28	25.2
1800	0.034	-0.059	34.667	27.841	32.553	37.160	0.30	24.9
1900	0.007	-0.092	34.667	27.842	32.556	37.164	0.33	24.6
2000	-0.022	-0.127	34.665	27.842	32.557	37.166	0.27	24.4
2100	-0.052	-0.164	34.666	27.845	32.561	37.171	0.39	24.0
2200	-0.071	-0.190	34.664	27.845	32.562	37.172	0.21	23.9
2300	-0.096	-0.222	34.664	27.846	32.564	37.176	0.34	23.5
2400	-0.121	-0.254	34.663	27.847	32.566	37.179	0.31	23.3
2500	-0.150	-0.290	34.661	27.847	32.567	37.181	0.29	23.0
2600	-0.192	-0.339	34.657	27.847	32.568	37.183	0.30	22.7
2700	-0.249	-0.402	34.656	27.849	32.572	37.189	0.47	22.1
2800	-0.496	-0.652	34.633	27.842	32.573	37.197	0.65	20.8
2900	-0.920	-1.074	34.609	27.839	32.584	37.221	1.03	17.5
2925	-1.193	-1.343	34.604	27.845	32.598	37.243	1.91	14.7

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.869	-1.869	34.446	6.801
50	-1.868	-1.869	34.446	6.613
150	-1.577	-1.580	34.474	6.498
251	-0.365	-0.374	34.576	5.318
402	0.394	0.377	34.654	4.817
604	0.536	0.509		4.631
943	0.414	0.370		4.645
1297	0.227	0.164	34.680	5.260
1652	0.081	-0.002	34.675	5.089
2008	-0.025	-0.131	34.671	5.221
2364	-0.111	-0.241	34.661	5.331
2720	-0.264	-0.419	34.653	5.508
2822	-0.606	-0.761	34.621	5.946
2873	-0.792	-0.947	34.608	6.123
2924	-1.193	-1.343	34.602	6.541

# CAMP 57



### potential temperature



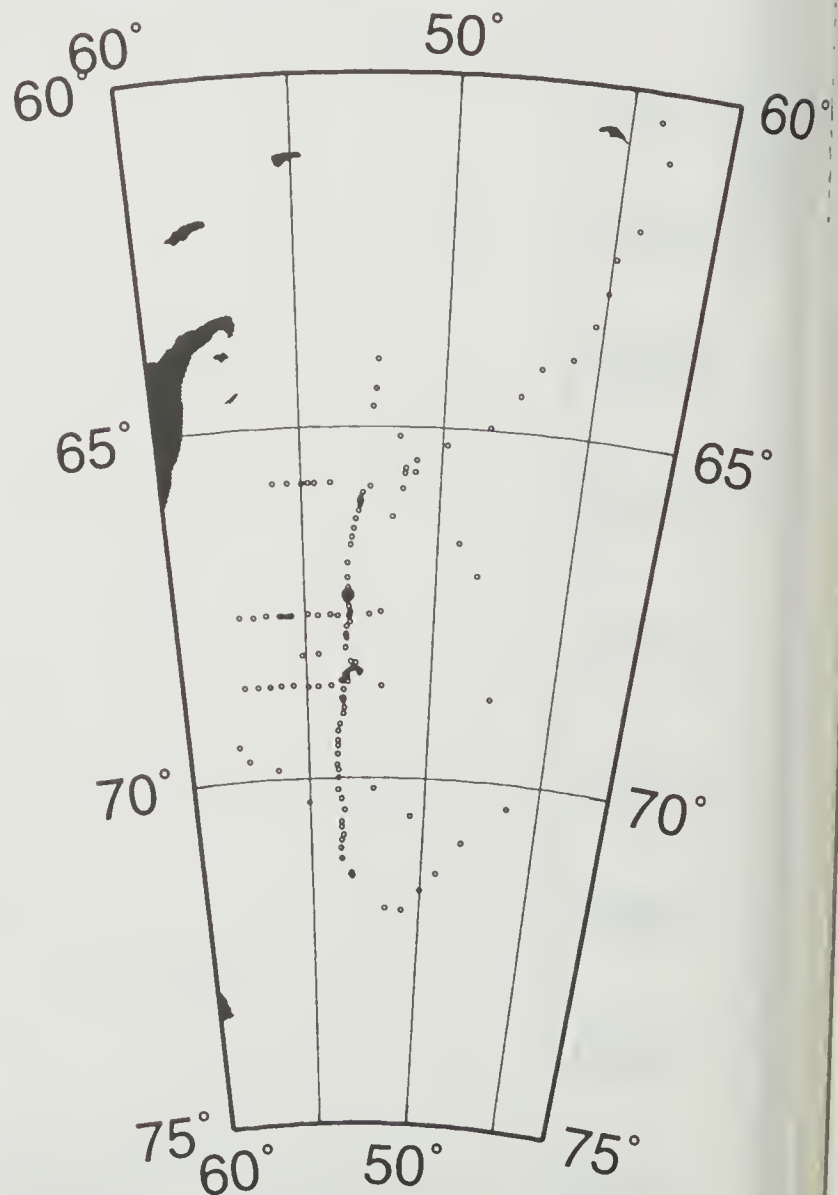
ISW-I -67.3855 -53.3070 92/05/20 141 16:05 CAMP STA# 57

bottom depth = 2892

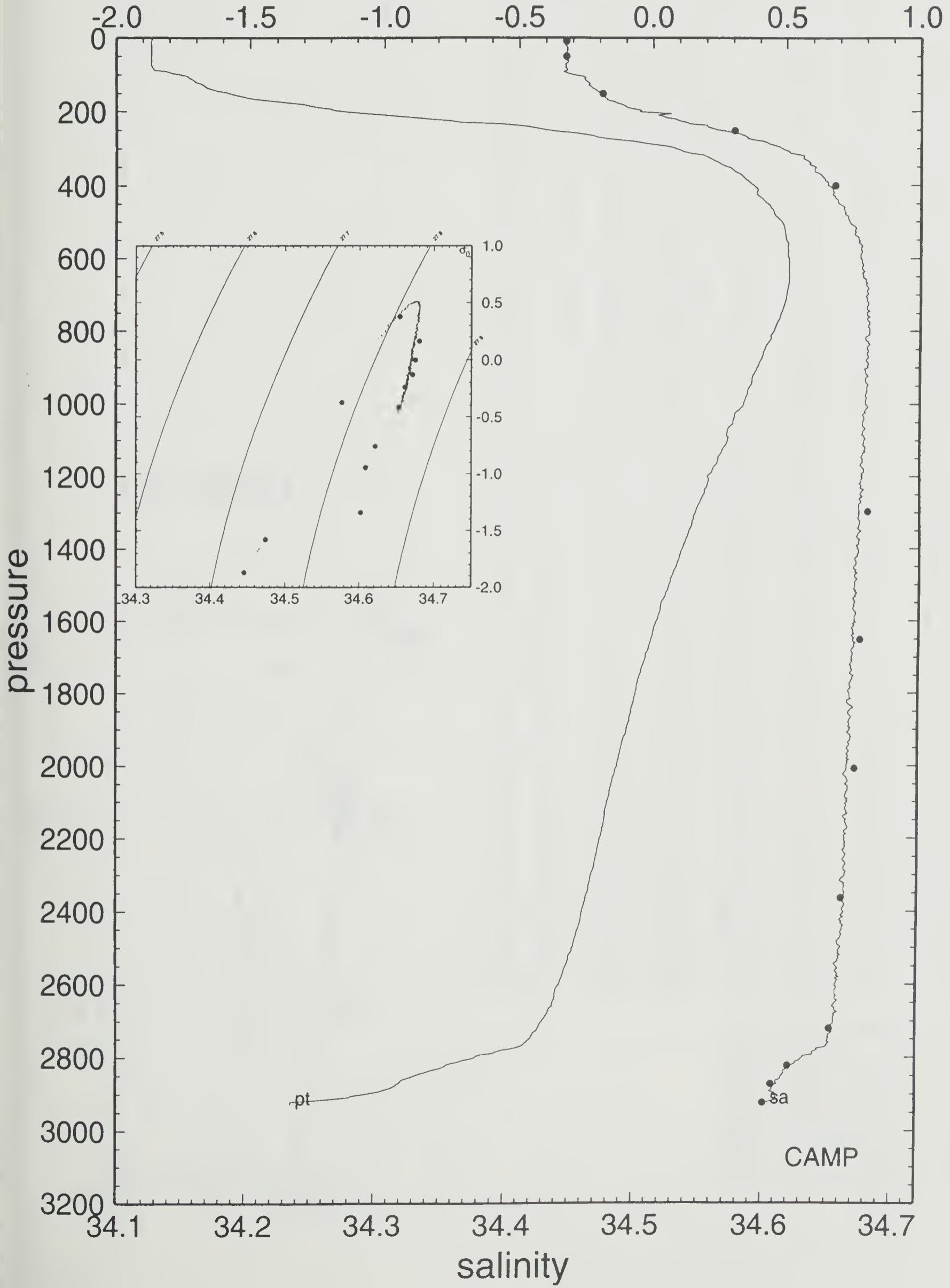
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.865	-1.865	34.449	27.735	32.505	37.168	0.00	35.2
10	-1.869	-1.869	34.448	27.734	32.505	37.168	-0.47	35.2
20	-1.868	-1.868	34.445	27.732	32.502	37.165	-0.88	35.3
30	-1.868	-1.869	34.447	27.733	32.504	37.167	0.71	35.1
40	-1.868	-1.869	34.446	27.732	32.503	37.166	-0.50	35.1
50	-1.868	-1.869	34.448	27.734	32.505	37.168	0.71	34.9
60	-1.867	-1.868	34.446	27.732	32.503	37.166	-0.72	35.0
70	-1.867	-1.868	34.446	27.732	32.503	37.166	0.04	35.0
80	-1.863	-1.865	34.445	27.732	32.502	37.165	-0.54	35.0
90	-1.833	-1.835	34.445	27.731	32.500	37.162	-0.52	35.0
100	-1.758	-1.760	34.452	27.734	32.502	37.161	1.04	34.6
110	-1.723	-1.725	34.460	27.740	32.506	37.164	1.30	34.1
120	-1.700	-1.703	34.463	27.742	32.507	37.165	0.73	33.8
130	-1.669	-1.672	34.464	27.742	32.506	37.163	-0.25	33.8
140	-1.637	-1.640	34.469	27.745	32.508	37.164	0.97	33.5
150	-1.577	-1.580	34.472	27.745	32.507	37.161	0.34	33.4
160	-1.523	-1.527	34.475	27.746	32.506	37.158	0.40	33.3
170	-1.424	-1.428	34.480	27.747	32.504	37.153	0.36	33.2
180	-1.301	-1.306	34.489	27.750	32.503	37.148	0.89	32.9
190	-1.219	-1.224	34.496	27.753	32.503	37.146	0.86	32.6
200	-1.142	-1.147	34.503	27.756	32.504	37.144	0.87	32.4
210	-0.969	-0.975	34.519	27.763	32.505	37.140	1.29	31.8
220	-0.820	-0.827	34.531	27.766	32.504	37.134	0.93	31.5
230	-0.638	-0.645	34.541	27.767	32.498	37.124	-0.52	31.6
240	-0.462	-0.470	34.555	27.770	32.496	37.116	0.82	31.4
250	-0.374	-0.383	34.566	27.775	32.499	37.116	1.14	31.0
260	-0.255	-0.264	34.580	27.781	32.500	37.114	1.21	30.5
270	-0.179	-0.189	34.586	27.782	32.499	37.111	0.39	30.5
280	-0.059	-0.069	34.598	27.785	32.499	37.107	0.90	30.2
290	0.032	0.021	34.605	27.786	32.497	37.102	0.20	30.2
300	0.100	0.088	34.613	27.789	32.498	37.101	0.84	30.0
325	0.224	0.211	34.630	27.796	32.501	37.101	0.85	29.4
350	0.293	0.279	34.638	27.799	32.502	37.099	0.49	29.3
375	0.349	0.333	34.644	27.800	32.502	37.098	0.37	29.2
400	0.391	0.374	34.648	27.801	32.502	37.096	0.22	29.2
425	0.405	0.387	34.652	27.804	32.504	37.098	0.54	29.0
450	0.445	0.426	34.657	27.806	32.504	37.097	0.40	28.9
475	0.472	0.451	34.662	27.808	32.506	37.098	0.52	28.7
500	0.504	0.482	34.665	27.809	32.506	37.097	0.14	28.7
550	0.524	0.499	34.673	27.814	32.511	37.101	0.56	28.3
600	0.535	0.508	34.674	27.814	32.511	37.101	0.10	28.3
650	0.539	0.509	34.676	27.816	32.512	37.102	0.30	28.3
700	0.533	0.501	34.679	27.819	32.515	37.106	0.44	28.0
750	0.516	0.481	34.679	27.820	32.517	37.108	0.31	27.9
800	0.491	0.454	34.681	27.823	32.521	37.113	0.49	27.6
850	0.459	0.419	34.680	27.825	32.523	37.116	0.36	27.5
900	0.432	0.390	34.680	27.826	32.526	37.120	0.39	27.3
950	0.409	0.364	34.680	27.828	32.528	37.123	0.37	27.2
1000	0.387	0.340	34.678	27.828	32.529	37.124	0.18	27.2
1100	0.332	0.279	34.677	27.830	32.533	37.130	0.37	26.8
1200	0.263	0.205	34.675	27.833	32.538	37.137	0.40	26.4
1300	0.225	0.162	34.673	27.834	32.540	37.140	0.27	26.3
1400	0.183	0.114	34.672	27.835	32.543	37.145	0.34	26.0
1500	0.139	0.064	34.670	27.836	32.546	37.149	0.32	25.7
1600	0.099	0.019	34.670	27.839	32.549	37.154	0.38	25.4
1700	0.064	-0.022	34.668	27.839	32.551	37.157	0.28	25.2
1800	0.034	-0.059	34.667	27.841	32.553	37.160	0.30	24.9
1900	0.007	-0.092	34.667	27.842	32.556	37.164	0.33	24.6
2000	-0.022	-0.127	34.665	27.842	32.557	37.166	0.27	24.4
2100	-0.052	-0.164	34.666	27.845	32.561	37.171	0.39	24.0
2200	-0.071	-0.190	34.664	27.845	32.562	37.172	0.21	23.9
2300	-0.096	-0.222	34.664	27.846	32.564	37.176	0.34	23.5
2400	-0.121	-0.254	34.663	27.847	32.566	37.179	0.31	23.3
2500	-0.150	-0.290	34.661	27.847	32.567	37.181	0.29	23.0
2600	-0.192	-0.339	34.657	27.847	32.568	37.183	0.30	22.7
2700	-0.249	-0.402	34.656	27.849	32.572	37.189	0.47	22.1
2800	-0.496	-0.652	34.633	27.842	32.573	37.197	0.65	20.8
2900	-0.920	-1.074	34.609	27.839	32.584	37.221	1.03	17.5
2925	-1.193	-1.343	34.604	27.845	32.598	37.243	1.91	14.7

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.869	-1.869	34.446	6.801
50	-1.868	-1.869	34.446	6.613
150	-1.577	-1.580	34.474	6.498
251	-0.365	-0.374	34.576	5.318
402	0.394	0.377	34.654	4.817
604	0.536	0.509		4.631
943	0.414	0.370		4.645
1297	0.227	0.164	34.680	5.260
1652	0.081	-0.002	34.675	5.089
2008	-0.025	-0.131	34.671	5.221
2364	-0.111	-0.241	34.661	5.331
2720	-0.264	-0.419	34.653	5.508
2822	-0.606	-0.761	34.621	5.946
2873	-0.792	-0.947	34.608	6.123
2924	-1.193	-1.343	34.602	6.541

# CAMP 57



### potential temperature



ISW-I -67.2790 -53.3022 92/05/21 142 12:03 CAMP STA# 58

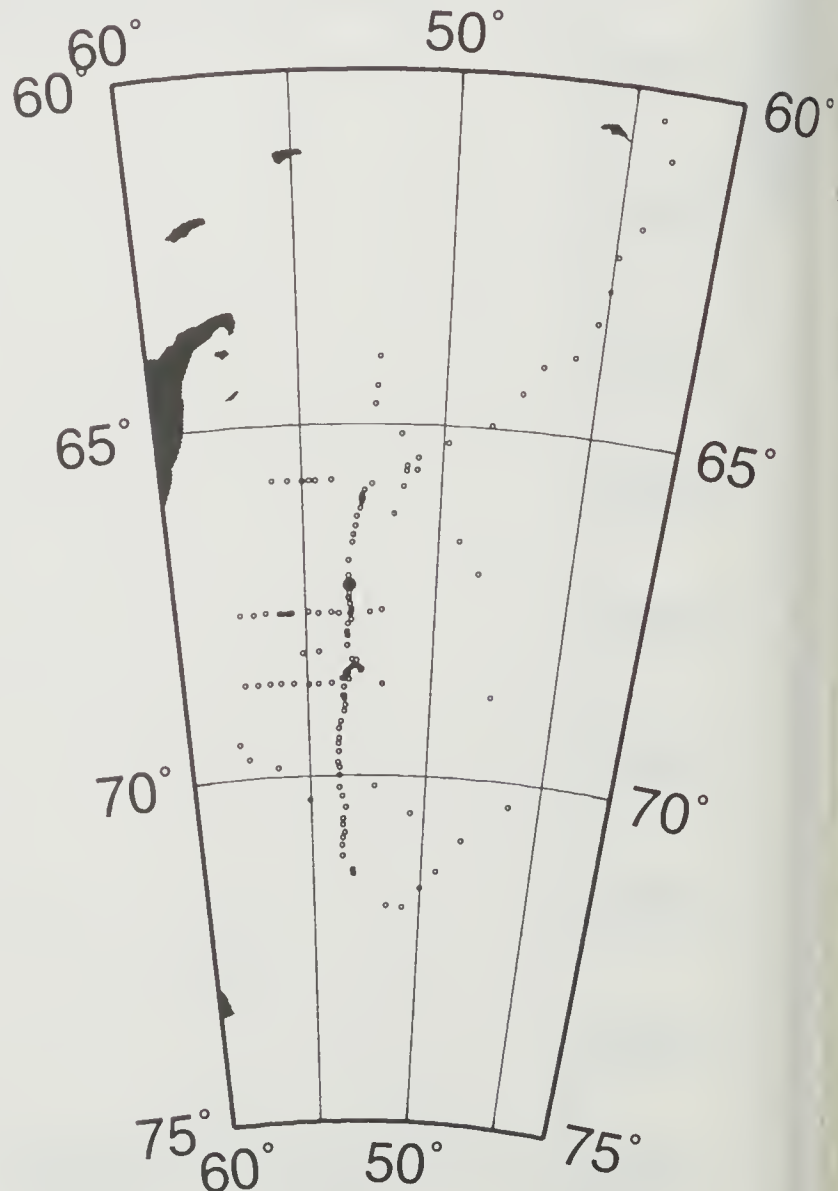
bottom depth = 2885

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.857	-1.857	34.431	27.720	32.490	37.153	0.00	36.6
10	-1.872	-1.872	34.442	27.729	32.500	37.163	1.71	35.6
20	-1.872	-1.872	34.440	27.728	32.498	37.162	-0.71	35.7
30	-1.869	-1.870	34.443	27.730	32.501	37.164	0.86	35.4
40	-1.869	-1.870	34.443	27.730	32.501	37.164	0.04	35.4
50	-1.867	-1.868	34.444	27.731	32.501	37.165	0.49	35.2
60	-1.864	-1.865	34.444	27.731	32.501	37.164	-0.16	35.2
70	-1.859	-1.860	34.445	27.731	32.502	37.165	0.46	35.1
80	-1.853	-1.855	34.446	27.732	32.502	37.165	0.45	34.9
90	-1.802	-1.804	34.453	27.736	32.505	37.166	1.15	34.5
100	-1.756	-1.758	34.459	27.740	32.507	37.167	1.04	34.1
110	-1.730	-1.732	34.464	27.743	32.510	37.168	1.01	33.7
120	-1.699	-1.702	34.468	27.746	32.511	37.169	0.84	33.5
130	-1.680	-1.683	34.468	27.745	32.510	37.167	-0.44	33.5
140	-1.656	-1.659	34.472	27.748	32.512	37.168	0.88	33.2
150	-1.611	-1.614	34.477	27.751	32.513	37.168	0.89	32.9
160	-1.508	-1.512	34.482	27.751	32.510	37.162	0.36	32.8
170	-1.424	-1.428	34.489	27.754	32.511	37.160	0.90	32.5
180	-1.329	-1.334	34.500	27.760	32.514	37.160	1.28	32.0
190	-1.200	-1.205	34.507	27.761	32.511	37.153	0.37	31.9
200	-0.872	-0.878	34.530	27.768	32.507	37.139	1.14	31.5
210	-0.732	-0.738	34.544	27.773	32.508	37.136	1.21	31.0
220	-0.563	-0.570	34.555	27.775	32.504	37.127	0.37	30.9
230	-0.472	-0.480	34.563	27.777	32.504	37.124	0.73	30.7
240	-0.398	-0.406	34.571	27.780	32.504	37.122	0.88	30.5
250	-0.240	-0.249	34.584	27.783	32.502	37.116	0.73	30.3
260	-0.080	-0.090	34.596	27.785	32.499	37.108	0.36	30.3
270	-0.014	-0.024	34.609	27.792	32.504	37.111	1.43	29.6
280	0.004	-0.007	34.609	27.791	32.503	37.109	-0.58	29.7
290	0.081	0.070	34.615	27.792	32.501	37.105	0.18	29.7
300	0.140	0.128	34.625	27.797	32.504	37.106	1.17	29.3
325	0.280	0.267	34.639	27.800	32.504	37.101	0.53	29.1
350	0.336	0.322	34.646	27.803	32.505	37.101	0.50	28.9
375	0.343	0.327	34.648	27.804	32.506	37.102	0.39	28.8
400	0.390	0.373	34.655	27.807	32.507	37.102	0.55	28.6
425	0.414	0.396	34.656	27.807	32.506	37.100	-0.32	28.7
450	0.432	0.413	34.659	27.808	32.507	37.100	0.39	28.6
475	0.449	0.428	34.664	27.811	32.510	37.102	0.60	28.4
500	0.464	0.442	34.667	27.813	32.511	37.103	0.42	28.3
550	0.489	0.465	34.673	27.816	32.514	37.105	0.44	28.0
600	0.519	0.492	34.676	27.817	32.514	37.104	0.14	28.1
650	0.533	0.503	34.678	27.818	32.514	37.105	0.21	28.1
700	0.520	0.488	34.681	27.821	32.518	37.109	0.48	27.8
750	0.507	0.472	34.682	27.823	32.520	37.112	0.36	27.6
800	0.479	0.442	34.683	27.826	32.524	37.116	0.45	27.4
850	0.444	0.404	34.681	27.826	32.525	37.119	0.31	27.3
900	0.415	0.373	34.682	27.829	32.529	37.123	0.46	27.0
950	0.389	0.344	34.681	27.830	32.531	37.126	0.32	26.9
1000	0.357	0.310	34.679	27.830	32.532	37.128	0.29	26.9
1100	0.308	0.256	34.679	27.833	32.537	37.134	0.39	26.5
1200	0.267	0.209	34.677	27.834	32.539	37.138	0.28	26.3
1300	0.220	0.157	34.675	27.835	32.542	37.142	0.32	26.1
1400	0.176	0.107	34.672	27.836	32.544	37.146	0.27	25.9
1500	0.134	0.060	34.671	27.837	32.547	37.150	0.35	25.6
1600	0.088	0.008	34.671	27.840	32.551	37.156	0.40	25.2
1700	0.057	-0.029	34.668	27.840	32.552	37.158	0.21	25.1
1800	0.023	-0.069	34.668	27.842	32.555	37.162	0.36	24.7
1900	-0.009	-0.108	34.666	27.842	32.557	37.165	0.28	24.5
2000	-0.036	-0.141	34.665	27.843	32.559	37.168	0.30	24.3
2100	-0.063	-0.175	34.664	27.844	32.560	37.171	0.30	24.0
2200	-0.089	-0.207	34.663	27.845	32.562	37.174	0.30	23.7
2300	-0.112	-0.237	34.665	27.848	32.566	37.178	0.40	23.3
2400	-0.138	-0.270	34.662	27.847	32.567	37.180	0.22	23.1
2500	-0.163	-0.302	34.662	27.849	32.569	37.183	0.35	22.8
2600	-0.186	-0.333	34.659	27.848	32.569	37.184	0.21	22.7
2700	-0.233	-0.387	34.658	27.850	32.572	37.189	0.43	22.1
2800	-0.377	-0.535	34.646	27.847	32.574	37.195	0.55	21.2
2900	-0.943	-1.097	34.621	27.850	32.595	37.233	1.26	16.3
2925	-1.217	-1.367	34.606	27.847	32.601	37.247	1.64	14.3

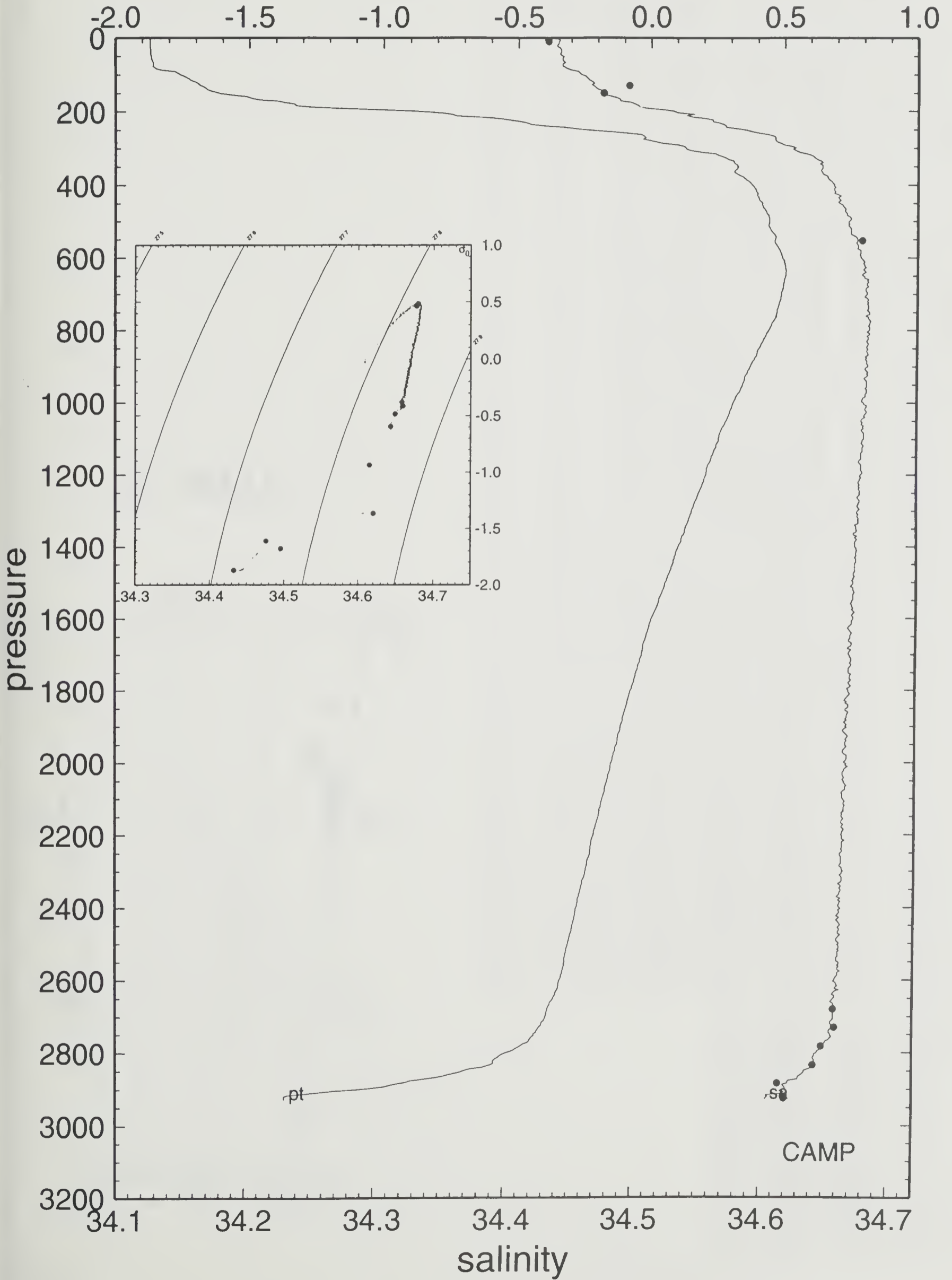
  

PRES	TEMPER	POTEMP	SLINTY	OXYG
10	-1.872	-1.872	34.433	6.774
131	-1.678	-1.681	34.496	6.374
151	-1.607	-1.610	34.476	6.161
554	0.488	0.463	34.677	5.187
2680	-0.228	-0.380	34.658	5.432
2731	-0.258	-0.414	34.659	5.272
2782	-0.326	-0.484	34.649	5.742
2833	-0.437	-0.597	34.643	5.882
2884	-0.781	-0.937	34.615	6.152
2925	-1.217	-1.367	34.620	6.639

# CAMP 58



potential temperature



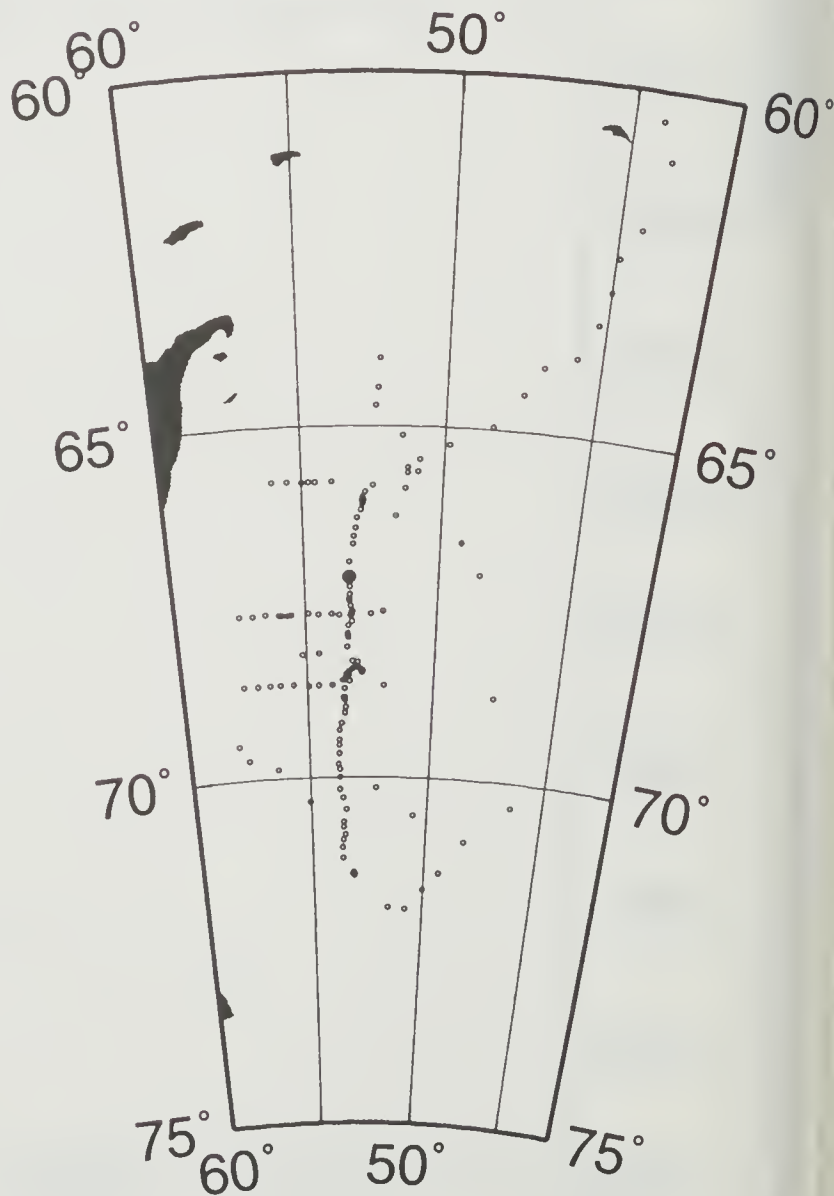
ISW-I -67.1398 -53.3167 92/05/22 143 12:42 CAMP STA# 59

bottom depth = 2907

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.886	-1.886	34.427	27.717	32.489	37.153	0.00	36.8
10	-1.883	-1.883	34.426	27.717	32.488	37.152	-0.53	36.8
20	-1.881	-1.881	34.427	27.717	32.488	37.152	0.49	36.7
30	-1.880	-1.881	34.427	27.717	32.488	37.152	-0.08	36.6
40	-1.879	-1.880	34.431	27.721	32.492	37.155	1.01	36.3
50	-1.875	-1.876	34.443	27.730	32.501	37.164	1.74	35.3
60	-1.865	-1.866	34.445	27.732	32.502	37.165	0.65	35.1
70	-1.868	-1.869	34.450	27.736	32.506	37.169	1.14	34.6
80	-1.864	-1.866	34.448	27.734	32.504	37.167	-0.74	34.8
90	-1.861	-1.863	34.449	27.735	32.505	37.168	0.48	34.6
100	-1.816	-1.818	34.455	27.738	32.507	37.169	1.05	34.2
110	-1.759	-1.761	34.461	27.742	32.509	37.169	0.99	33.9
120	-1.715	-1.718	34.465	27.744	32.509	37.168	0.76	33.6
130	-1.668	-1.671	34.470	27.747	32.511	37.167	0.89	33.3
140	-1.646	-1.649	34.470	27.746	32.509	37.165	-0.48	33.4
150	-1.595	-1.598	34.474	27.748	32.509	37.164	0.69	33.2
160	-1.512	-1.516	34.480	27.750	32.509	37.161	0.78	32.9
170	-1.395	-1.399	34.489	27.754	32.509	37.157	0.96	32.6
180	-1.265	-1.270	34.498	27.756	32.508	37.152	0.83	32.4
190	-1.136	-1.141	34.508	27.760	32.507	37.148	0.93	32.1
200	-1.053	-1.059	34.514	27.762	32.506	37.144	0.63	31.9
210	-0.852	-0.858	34.531	27.768	32.506	37.138	1.20	31.4
220	-0.706	-0.713	34.544	27.772	32.506	37.133	1.04	31.1
230	-0.524	-0.532	34.558	27.775	32.504	37.125	0.80	30.9
240	-0.405	-0.413	34.567	27.777	32.502	37.120	0.54	30.8
250	-0.336	-0.345	34.574	27.780	32.502	37.118	0.77	30.6
260	-0.265	-0.274	34.582	27.783	32.503	37.117	0.88	30.3
270	-0.160	-0.170	34.592	27.786	32.503	37.113	0.80	30.1
280	-0.117	-0.127	34.597	27.788	32.503	37.113	0.69	30.0
290	-0.054	-0.065	34.604	27.790	32.504	37.111	0.77	29.8
300	-0.003	-0.014	34.609	27.791	32.503	37.110	0.54	29.7
325	0.167	0.154	34.625	27.795	32.502	37.103	0.53	29.5
350	0.220	0.206	34.636	27.801	32.507	37.106	0.83	29.0
375	0.204	0.189	34.636	27.802	32.508	37.108	0.38	28.9
400	0.246	0.230	34.642	27.805	32.509	37.108	0.51	28.7
425	0.392	0.374	34.653	27.805	32.506	37.100	-0.38	28.8
450	0.403	0.384	34.657	27.808	32.508	37.102	0.56	28.6
475	0.368	0.348	34.655	27.809	32.510	37.105	0.35	28.5
500	0.383	0.362	34.657	27.809	32.510	37.105	0.28	28.5
550	0.415	0.391	34.663	27.812	32.512	37.106	0.41	28.3
600	0.441	0.414	34.670	27.817	32.516	37.109	0.49	28.0
650	0.529	0.499	34.677	27.817	32.514	37.104	-0.25	28.1
700	0.534	0.502	34.680	27.820	32.516	37.106	0.37	28.0
750	0.522	0.487	34.682	27.822	32.519	37.110	0.42	27.8
800	0.499	0.462	34.681	27.823	32.520	37.112	0.28	27.7
850	0.476	0.436	34.681	27.824	32.522	37.115	0.36	27.6
900	0.438	0.396	34.681	27.827	32.526	37.120	0.46	27.3
950	0.421	0.376	34.679	27.826	32.526	37.120	0.07	27.3
1000	0.394	0.347	34.678	27.827	32.528	37.123	0.33	27.2
1100	0.341	0.288	34.676	27.829	32.531	37.128	0.33	27.0
1200	0.283	0.225	34.675	27.832	32.536	37.135	0.39	26.6
1300	0.239	0.176	34.673	27.833	32.539	37.139	0.31	26.4
1400	0.193	0.124	34.672	27.835	32.542	37.144	0.36	26.1
1500	0.144	0.069	34.671	27.837	32.546	37.149	0.37	25.7
1600	0.111	0.030	34.667	27.836	32.546	37.150	0.15	25.7
1700	0.072	-0.014	34.666	27.837	32.549	37.155	0.34	25.4
1800	0.049	-0.044	34.664	27.837	32.550	37.156	0.21	25.3
1900	0.017	-0.082	34.666	27.841	32.555	37.162	0.42	24.8
2000	-0.007	-0.113	34.665	27.842	32.556	37.165	0.28	24.6
2100	-0.033	-0.145	34.664	27.843	32.558	37.168	0.30	24.3
2200	-0.062	-0.181	34.662	27.843	32.559	37.170	0.28	24.1
2300	-0.083	-0.209	34.661	27.843	32.561	37.172	0.28	23.9
2400	-0.105	-0.238	34.660	27.844	32.562	37.175	0.29	23.7
2500	-0.130	-0.270	34.661	27.846	32.566	37.179	0.38	23.2
2600	-0.154	-0.301	34.657	27.845	32.565	37.179	0.15	23.2
2700	-0.222	-0.376	34.653	27.845	32.568	37.184	0.44	22.6
2800	-0.407	-0.565	34.637	27.841	32.569	37.191	0.60	21.5
2900	-0.844	-1.000	34.608	27.836	32.578	37.213	1.00	18.4
2945	-1.156	-1.309	34.606	27.845	32.597	37.242	1.59	14.9

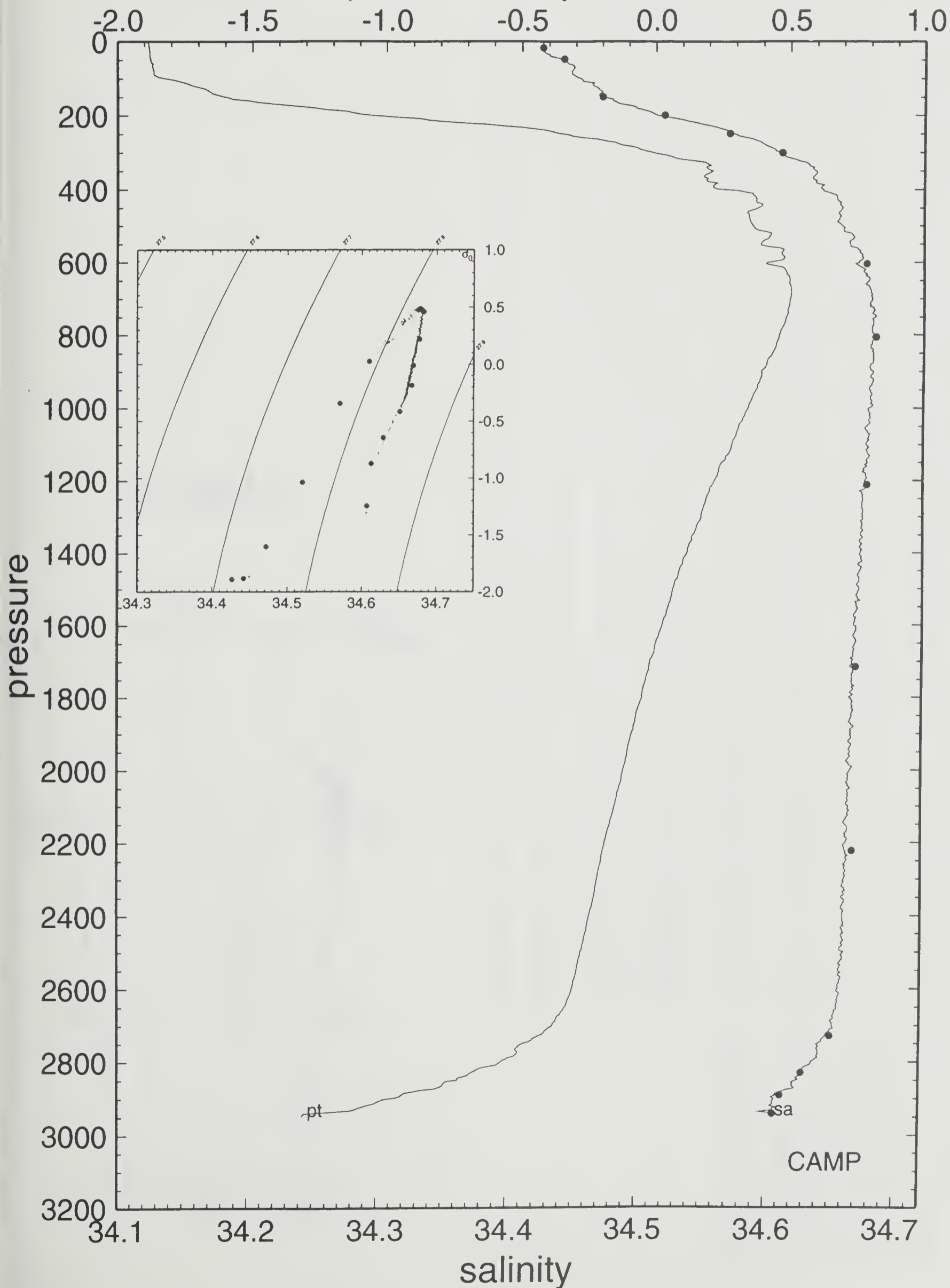
PRES	TEMPER	POTEMP	SLINTY	OXYG
18	-1.890	-1.890	34.426	6.634
48	-1.880	-1.881	34.442	6.582
149	-1.600	-1.603	34.472	6.288
200	-1.031	-1.037	34.520	6.110
250	-0.334	-0.343	34.570	
301	0.035	0.024	34.610	5.070
604	0.501	0.474	34.676	4.668
806	0.495	0.457	34.683	4.632
1211	0.276	0.217	34.677	4.694
1716	0.075	-0.013	34.669	5.199
2222	-0.065	-0.186	34.667	5.321
2729	-0.261	-0.416	34.651	5.376
2830	-0.486	-0.645	34.629	5.803
2891	-0.714	-0.872	34.613	6.123
2941	-1.088	-1.242	34.607	6.326

# CAMP 59





### potential temperature



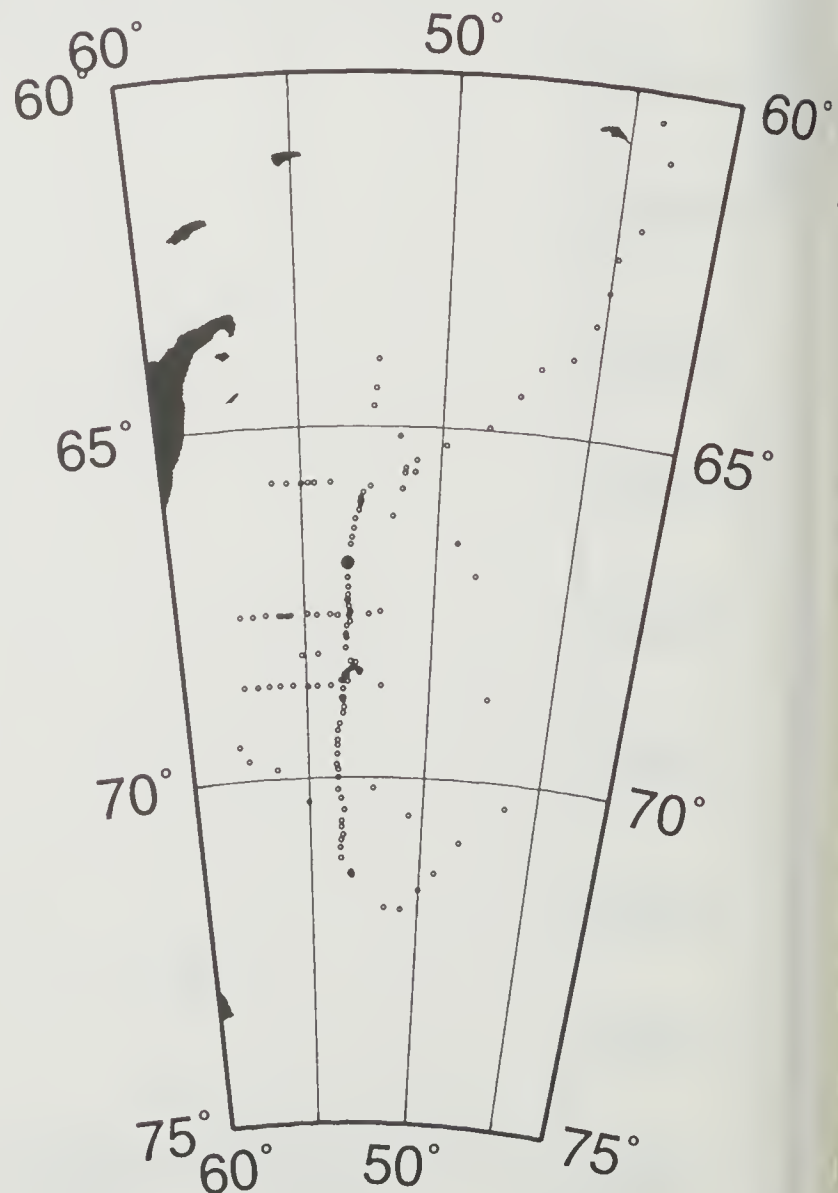
ISW-I -66.9282 -53.3307 92/05/23 144 12:42 CAMP STA# 60

bottom depth = 2908

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.883	-1.883	34.418	27.710	32.481	37.145	0.00	37.5
10	-1.885	-1.885	34.424	27.715	32.486	37.150	1.24	37.0
20	-1.885	-1.885	34.427	27.717	32.489	37.153	0.87	36.7
30	-1.884	-1.885	34.425	27.716	32.487	37.151	-0.72	36.8
40	-1.882	-1.883	34.427	27.717	32.489	37.152	0.70	36.6
50	-1.872	-1.873	34.436	27.724	32.495	37.159	1.49	35.8
60	-1.863	-1.864	34.441	27.728	32.499	37.162	1.09	35.4
70	-1.863	-1.864	34.448	27.734	32.504	37.167	1.34	34.8
80	-1.860	-1.862	34.445	27.731	32.502	37.165	-0.89	35.0
90	-1.858	-1.860	34.447	27.733	32.503	37.166	0.70	34.8
100	-1.801	-1.803	34.454	27.737	32.506	37.167	1.12	34.3
110	-1.727	-1.729	34.463	27.743	32.509	37.167	1.25	33.8
120	-1.704	-1.707	34.467	27.745	32.510	37.168	0.89	33.5
130	-1.663	-1.666	34.472	27.748	32.512	37.169	0.92	33.2
140	-1.640	-1.643	34.470	27.746	32.509	37.165	-0.86	33.4
150	-1.587	-1.590	34.476	27.749	32.511	37.165	0.98	33.0
160	-1.511	-1.515	34.483	27.752	32.511	37.163	0.97	32.7
170	-1.496	-1.500	34.486	27.754	32.513	37.164	0.77	32.5
180	-1.420	-1.424	34.488	27.754	32.510	37.159	-0.62	32.5
190	-1.197	-1.202	34.502	27.757	32.506	37.149	0.87	32.3
200	-1.107	-1.112	34.511	27.761	32.508	37.147	1.04	31.9
210	-0.969	-0.975	34.523	27.766	32.508	37.143	1.06	31.5
220	-0.813	-0.820	34.532	27.767	32.504	37.134	0.01	31.5
230	-0.689	-0.696	34.545	27.772	32.505	37.132	1.18	31.1
240	-0.538	-0.546	34.559	27.777	32.505	37.128	1.06	30.7
250	-0.403	-0.411	34.569	27.779	32.503	37.121	0.52	30.6
260	-0.273	-0.282	34.580	27.782	32.502	37.116	0.72	30.4
270	-0.192	-0.202	34.590	27.786	32.503	37.115	1.04	30.1
280	-0.134	-0.144	34.596	27.788	32.504	37.114	0.68	29.9
290	-0.053	-0.064	34.604	27.790	32.504	37.111	0.71	29.8
300	-0.014	-0.025	34.609	27.792	32.504	37.111	0.72	29.6
325	0.117	0.104	34.624	27.797	32.506	37.108	0.70	29.2
350	0.199	0.185	34.632	27.799	32.505	37.105	0.39	29.1
375	0.262	0.247	34.637	27.800	32.504	37.102	-0.11	29.2
400	0.364	0.347	34.648	27.803	32.504	37.099	0.49	29.0
425	0.422	0.404	34.654	27.804	32.504	37.097	0.32	28.9
450	0.478	0.459	34.661	27.807	32.505	37.097	0.46	28.8
475	0.526	0.505	34.668	27.810	32.506	37.097	0.53	28.6
500	0.509	0.487	34.668	27.811	32.508	37.099	0.41	28.5
550	0.526	0.501	34.672	27.813	32.510	37.100	0.36	28.4
600	0.512	0.485	34.673	27.815	32.512	37.103	0.36	28.2
650	0.530	0.500	34.674	27.815	32.511	37.102	-0.16	28.3
700	0.536	0.504	34.679	27.819	32.515	37.105	0.48	28.1
750	0.515	0.480	34.679	27.820	32.517	37.108	0.34	27.9
800	0.507	0.470	34.679	27.821	32.518	37.109	0.23	27.9
850	0.488	0.448	34.681	27.824	32.521	37.114	0.46	27.7
900	0.453	0.411	34.681	27.826	32.525	37.118	0.44	27.4
950	0.433	0.388	34.676	27.823	32.523	37.117	-0.36	27.7
1000	0.406	0.358	34.677	27.826	32.526	37.121	0.46	27.4
1100	0.347	0.294	34.676	27.829	32.531	37.127	0.39	27.0
1200	0.306	0.248	34.675	27.830	32.534	37.132	0.33	26.8
1300	0.255	0.191	34.672	27.831	32.537	37.136	0.30	26.6
1400	0.213	0.144	34.671	27.833	32.540	37.141	0.34	26.3
1500	0.168	0.093	34.670	27.835	32.543	37.146	0.36	26.0
1600	0.122	0.041	34.668	27.836	32.546	37.150	0.33	25.7
1700	0.089	0.002	34.665	27.836	32.547	37.152	0.22	25.6
1800	0.072	-0.021	34.666	27.838	32.550	37.155	0.32	25.3
1900	0.033	-0.066	34.664	27.839	32.552	37.159	0.32	25.1
2000	-0.005	-0.111	34.664	27.841	32.555	37.164	0.39	24.7
2100	-0.023	-0.135	34.662	27.840	32.556	37.165	0.19	24.6
2200	-0.044	-0.163	34.660	27.840	32.556	37.166	0.22	24.4
2300	-0.066	-0.192	34.661	27.843	32.559	37.170	0.36	24.1
2400	-0.104	-0.237	34.661	27.845	32.563	37.175	0.41	23.6
2500	-0.134	-0.274	34.657	27.843	32.563	37.176	0.20	23.5
2600	-0.185	-0.332	34.654	27.844	32.565	37.180	0.39	23.0
2700	-0.257	-0.410	34.649	27.843	32.567	37.184	0.43	22.5
2800	-0.438	-0.595	34.632	27.838	32.568	37.191	0.56	21.5
2900	-0.742	-0.900	34.617	27.839	32.578	37.210	0.92	18.9
2950	-1.204	-1.356	34.609	27.850	32.603	37.248	1.77	14.1

PRES	TEMPER	POTEMP	SLINTY	OXYG
4	-1.884	-1.884	34.429	6.585
87	-1.859	-1.861	34.445	6.799
238	-0.575	-0.583	34.567	5.582
440	0.461	0.442	34.656	5.007
691	0.537	0.505	34.679	4.655
1042	0.377	0.327	34.682	4.709
1443	0.192	0.120	34.677	4.981
1842	0.056	-0.040	34.670	4.953
2241	-0.052	-0.174	34.668	5.035
2639	-0.211	-0.360	34.658	5.411
2738	-0.282	-0.438	34.650	5.532
2798	-0.434	-0.591	34.644	5.627
2848	-0.588	-0.746	34.625	5.836
2897	-0.744	-0.902	34.613	5.967
2947	-1.203	-1.355	34.604	6.385

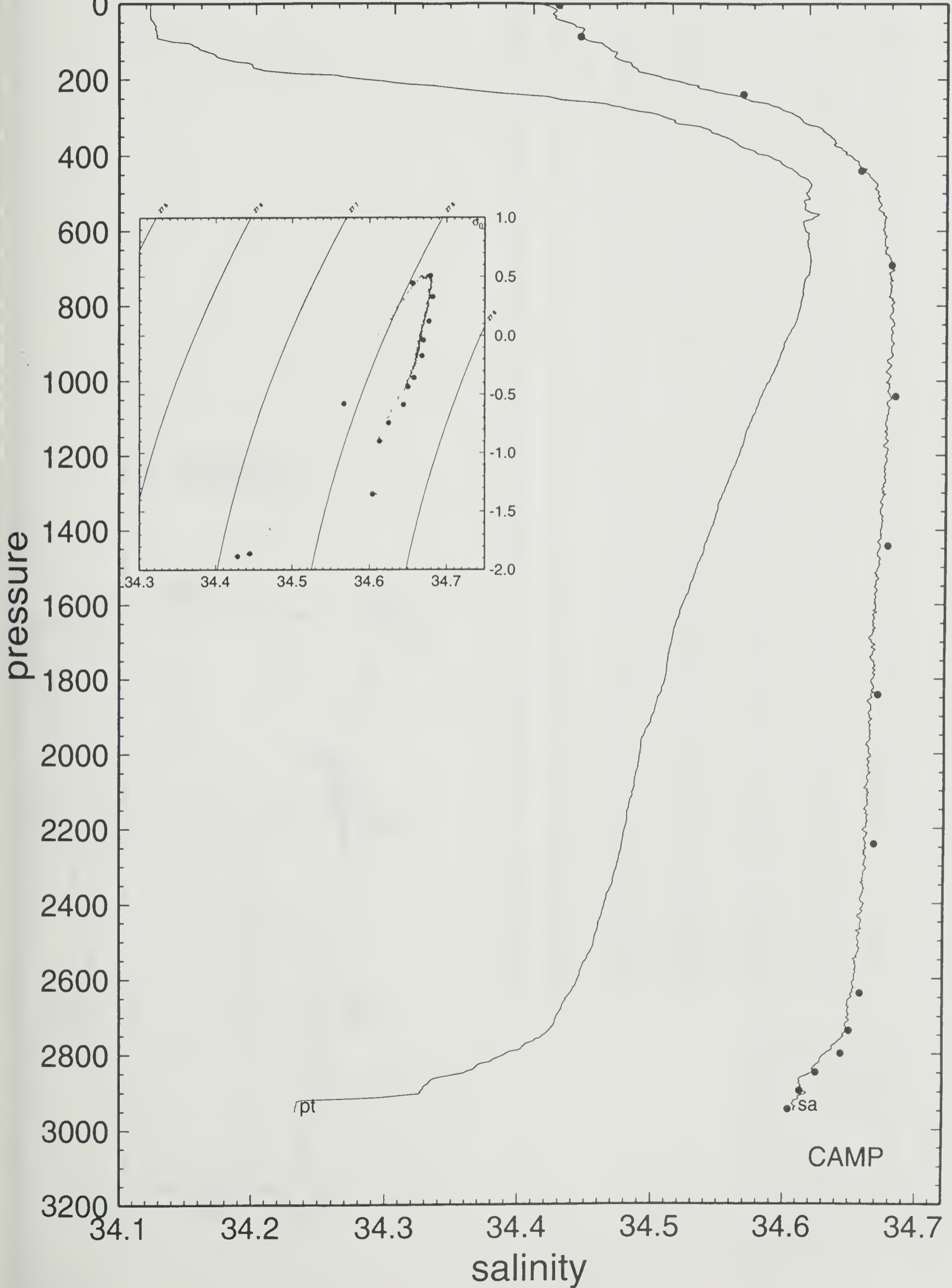
# CAMP 60



60 92/05/23 12:42 66 55.69 S 53 19.84 W CAMP

### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



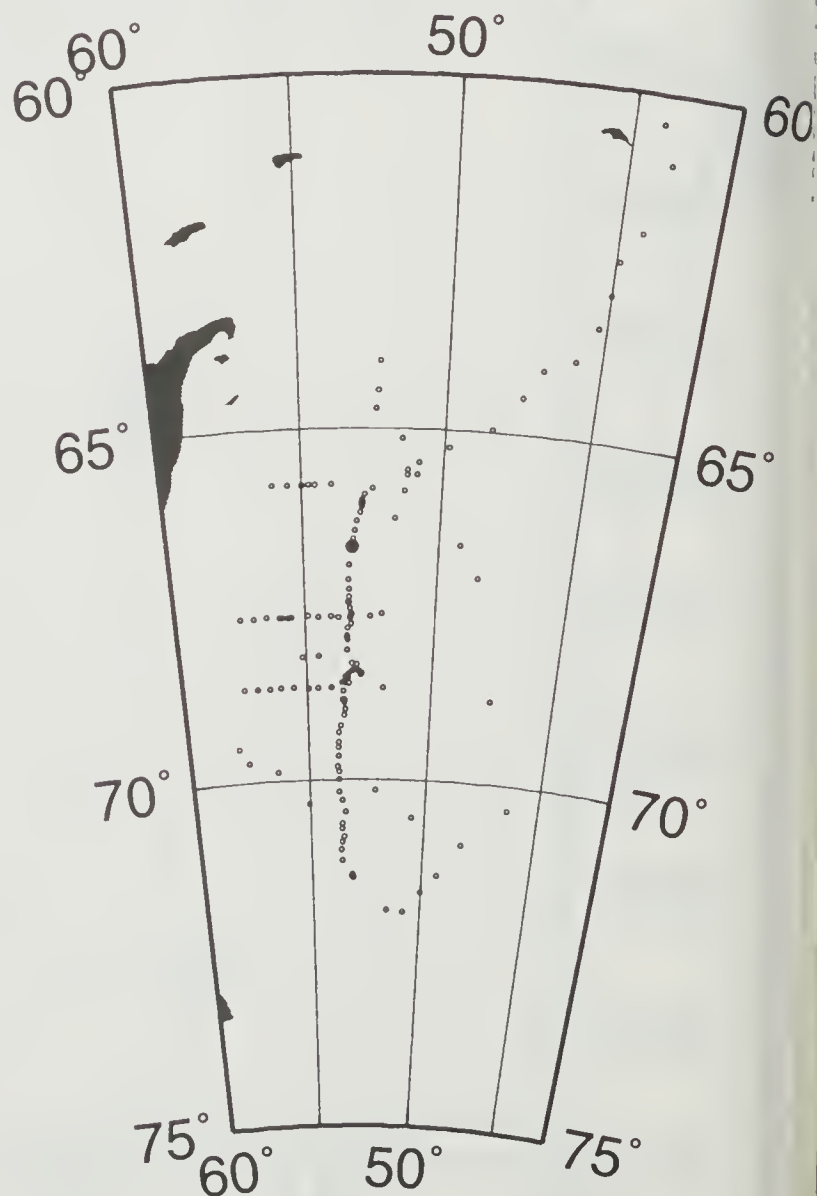
ISW-I -66.6792 -53.1938 92/05/24 145 12:43 CAMP STA# 61

bottom depth = 2888

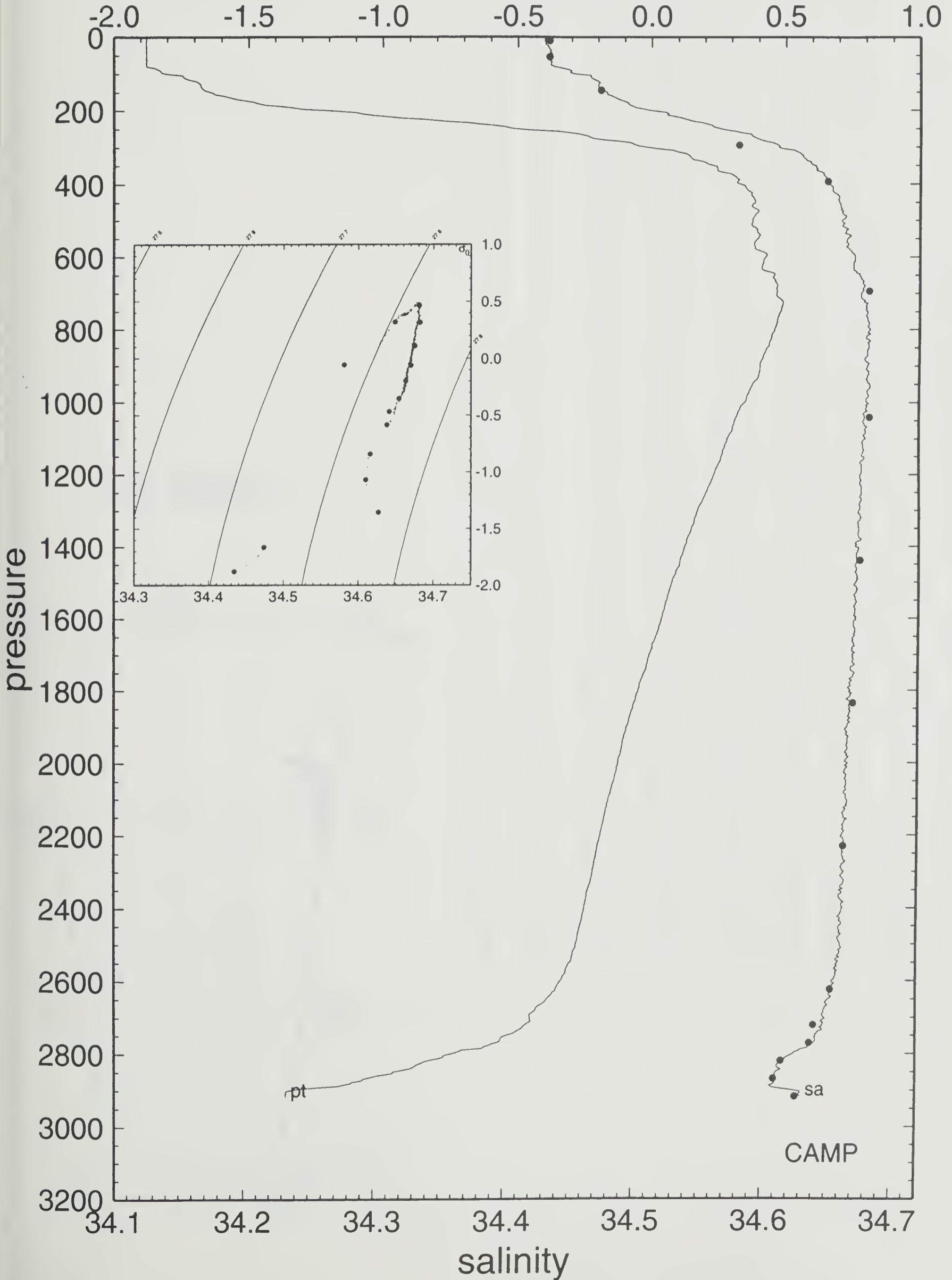
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.872	-1.872	34.431	27.720	32.491	37.155	0.00	36.5
10	-1.879	-1.879	34.431	27.721	32.492	37.155	0.24	36.5
20	-1.879	-1.879	34.431	27.721	32.492	37.155	0.04	36.4
30	-1.878	-1.879	34.433	27.722	32.493	37.157	0.71	36.2
40	-1.878	-1.879	34.434	27.723	32.494	37.158	0.51	36.0
50	-1.878	-1.879	34.435	27.724	32.495	37.158	0.51	35.9
60	-1.878	-1.879	34.435	27.724	32.495	37.158	0.04	35.8
70	-1.877	-1.878	34.436	27.725	32.496	37.159	0.50	35.7
80	-1.876	-1.878	34.438	27.726	32.497	37.161	0.71	35.5
90	-1.830	-1.832	34.450	27.735	32.504	37.166	1.62	34.6
100	-1.800	-1.802	34.454	27.737	32.506	37.167	0.86	34.3
110	-1.736	-1.738	34.466	27.745	32.511	37.170	1.56	33.6
120	-1.689	-1.692	34.472	27.749	32.513	37.171	1.03	33.2
130	-1.676	-1.679	34.472	27.748	32.513	37.170	-0.36	33.2
140	-1.667	-1.670	34.475	27.751	32.515	37.171	0.82	32.9
150	-1.637	-1.640	34.479	27.753	32.516	37.172	0.84	32.6
160	-1.592	-1.596	34.482	27.754	32.516	37.170	0.53	32.5
170	-1.528	-1.532	34.489	27.758	32.517	37.170	1.03	32.1
180	-1.464	-1.468	34.495	27.761	32.518	37.169	0.89	31.9
190	-1.349	-1.354	34.500	27.761	32.515	37.162	-0.34	31.8
200	-1.187	-1.192	34.512	27.765	32.514	37.156	0.99	31.5
210	-1.054	-1.060	34.526	27.772	32.516	37.154	1.32	30.9
220	-0.928	-0.934	34.536	27.775	32.515	37.149	0.86	30.7
230	-0.722	-0.729	34.549	27.777	32.511	37.139	0.45	30.6
240	-0.582	-0.590	34.560	27.780	32.510	37.133	0.75	30.4
250	-0.479	-0.487	34.569	27.782	32.509	37.129	0.76	30.2
260	-0.300	-0.309	34.583	27.785	32.506	37.121	0.68	30.1
270	-0.226	-0.236	34.592	27.789	32.508	37.120	0.98	29.8
280	-0.165	-0.175	34.598	27.791	32.508	37.119	0.64	29.6
290	-0.060	-0.071	34.608	27.794	32.507	37.115	0.76	29.4
300	-0.002	-0.013	34.611	27.793	32.505	37.111	-0.58	29.5
325	0.156	0.143	34.630	27.800	32.507	37.108	0.82	29.0
350	0.247	0.233	34.639	27.802	32.507	37.105	0.41	28.9
375	0.319	0.304	34.646	27.804	32.506	37.103	0.33	28.8
400	0.349	0.332	34.650	27.805	32.507	37.103	0.39	28.7
425	0.392	0.374	34.654	27.806	32.506	37.101	0.19	28.7
450	0.405	0.386	34.658	27.809	32.509	37.103	0.54	28.5
475	0.418	0.398	34.660	27.810	32.509	37.103	0.31	28.5
500	0.398	0.376	34.660	27.811	32.511	37.105	0.44	28.3
550	0.419	0.395	34.665	27.814	32.513	37.107	0.41	28.1
600	0.451	0.424	34.670	27.816	32.515	37.108	0.33	28.0
650	0.488	0.459	34.674	27.817	32.515	37.107	0.19	28.0
700	0.499	0.467	34.675	27.818	32.515	37.107	0.09	28.1
750	0.516	0.481	34.680	27.821	32.518	37.109	0.42	27.9
800	0.496	0.459	34.682	27.824	32.521	37.113	0.46	27.6
850	0.472	0.432	34.681	27.825	32.523	37.115	0.30	27.5
900	0.447	0.405	34.680	27.825	32.524	37.118	0.31	27.4
950	0.423	0.378	34.681	27.828	32.528	37.122	0.44	27.2
1000	0.397	0.350	34.680	27.829	32.529	37.124	0.32	27.1
1100	0.336	0.283	34.679	27.832	32.534	37.131	0.40	26.7
1200	0.293	0.235	34.675	27.831	32.535	37.134	0.19	26.7
1300	0.237	0.174	34.674	27.834	32.540	37.140	0.39	26.3
1400	0.196	0.127	34.671	27.834	32.541	37.143	0.25	26.2
1500	0.153	0.078	34.672	27.837	32.546	37.149	0.41	25.7
1600	0.121	0.040	34.671	27.839	32.548	37.152	0.30	25.5
1700	0.082	-0.005	34.669	27.839	32.551	37.156	0.31	25.2
1800	0.047	-0.046	34.668	27.841	32.553	37.160	0.33	25.0
1900	0.010	-0.089	34.666	27.841	32.555	37.163	0.31	24.7
2000	-0.015	-0.120	34.666	27.843	32.558	37.166	0.33	24.4
2100	-0.045	-0.157	34.665	27.844	32.560	37.170	0.32	24.1
2200	-0.067	-0.186	34.662	27.843	32.560	37.170	0.17	24.0
2300	-0.089	-0.215	34.664	27.846	32.564	37.175	0.39	23.6
2400	-0.113	-0.246	34.663	27.847	32.565	37.178	0.30	23.3
2500	-0.137	-0.277	34.661	27.847	32.566	37.180	0.26	23.2
2600	-0.187	-0.334	34.655	27.845	32.566	37.181	0.27	22.9
2700	-0.295	-0.447	34.649	27.845	32.570	37.188	0.54	22.0
2800	-0.593	-0.747	34.626	27.840	32.574	37.202	0.78	20.2
2900	-1.203	-1.351	34.625	27.862	32.615	37.261	1.51	13.1
2915	-1.207	-1.356	34.631	27.867	32.620	37.266	1.05	12.6

PRES	TEMPER	POTEMP	SLINTY	OXYG
10	-1.879	-1.879	34.434	6.491
54	-1.877	-1.878	34.434	6.525
144	-1.660	-1.663	34.474	6.317
294	-0.045	-0.056	34.581	5.286
394	0.336	0.320	34.649	4.791
694	0.498	0.466	34.681	4.624
1042	0.366	0.316	34.682	4.609
1439	0.180	0.109	34.675	4.995
1835	0.034	-0.061	34.670	4.919
2230	-0.076	-0.197	34.663	5.037
2624	-0.204	-0.352	34.654	5.532
2722	-0.315	-0.469	34.641	5.410
2771	-0.428	-0.583	34.638	5.471
2820	-0.688	-0.841	34.616	5.843
2869	-0.917	-1.069	34.610	6.074
2918	-1.207	-1.356	34.627	6.359

# CAMP 61



### potential temperature

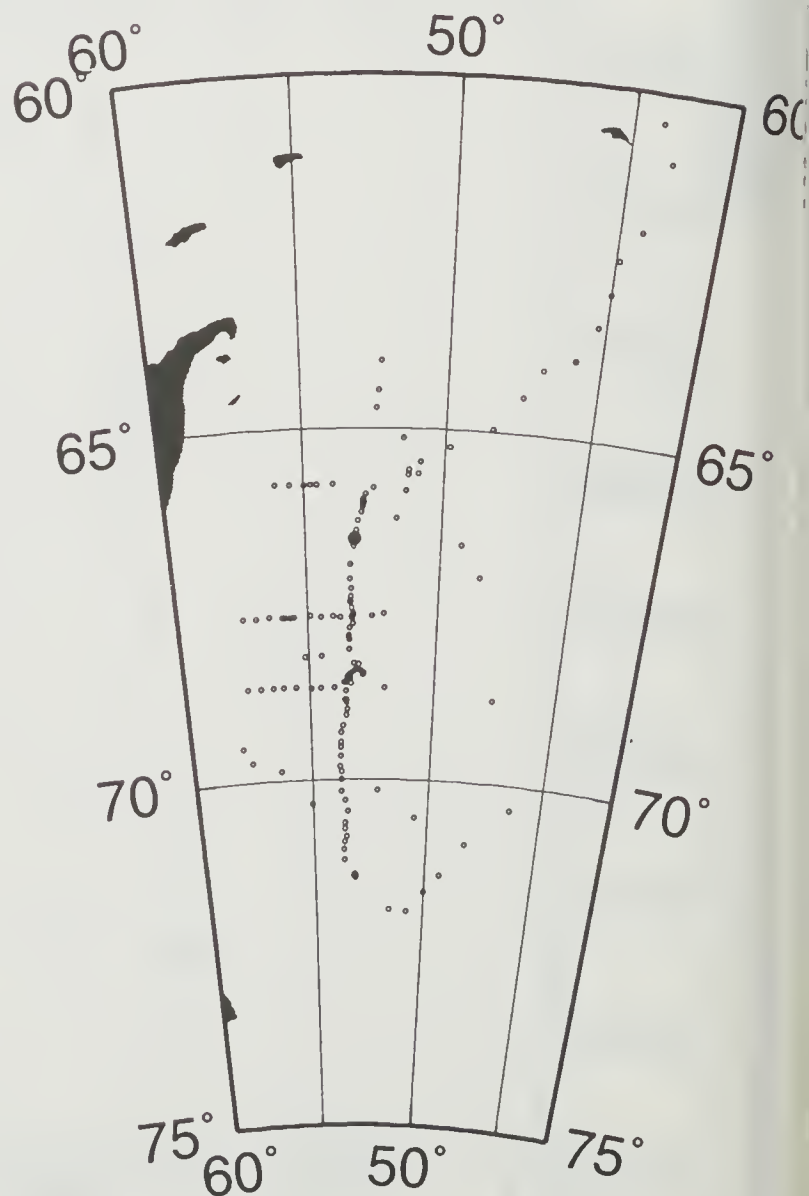


ISW-I -66.5715 -53.1475 92/05/24 145 22:41 CAMP STA# 62

bottom depth = 2701

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.883	-1.883	34.427	27.717	32.489	37.152	0.00	36.8
10	-1.885	-1.885	34.427	27.717	32.489	37.153	0.13	36.7
20	-1.884	-1.884	34.429	27.719	32.490	37.154	0.71	36.5
30	-1.883	-1.884	34.427	27.717	32.489	37.152	-0.72	36.6
40	-1.883	-1.884	34.430	27.720	32.491	37.155	0.87	36.3
50	-1.882	-1.883	34.430	27.720	32.491	37.155	-0.08	36.3
60	-1.882	-1.883	34.430	27.720	32.491	37.155	0.04	36.2
70	-1.880	-1.881	34.431	27.721	32.492	37.155	0.49	36.1
80	-1.875	-1.877	34.434	27.723	32.494	37.157	0.85	35.8
90	-1.867	-1.869	34.436	27.724	32.495	37.158	0.66	35.6
100	-1.789	-1.791	34.451	27.734	32.503	37.163	1.76	34.6
110	-1.770	-1.772	34.458	27.740	32.507	37.167	1.26	34.1
120	-1.749	-1.751	34.466	27.746	32.512	37.172	1.35	33.5
130	-1.730	-1.733	34.471	27.749	32.515	37.174	1.04	33.1
140	-1.693	-1.696	34.473	27.750	32.515	37.172	0.36	33.0
150	-1.641	-1.644	34.478	27.752	32.515	37.171	0.85	32.7
160	-1.582	-1.586	34.483	27.755	32.516	37.170	0.79	32.5
170	-1.469	-1.473	34.491	27.758	32.515	37.166	0.87	32.2
180	-1.211	-1.216	34.503	27.759	32.508	37.151	-0.35	32.2
190	-0.955	-0.960	34.526	27.768	32.509	37.144	1.54	31.4
200	-0.804	-0.810	34.534	27.768	32.505	37.135	-0.40	31.4
210	-0.681	-0.688	34.550	27.776	32.509	37.135	1.48	30.8
220	-0.552	-0.559	34.561	27.779	32.508	37.131	0.86	30.5
230	-0.423	-0.431	34.572	27.782	32.507	37.126	0.81	30.3
240	-0.383	-0.391	34.577	27.784	32.508	37.125	0.77	30.1
250	-0.298	-0.307	34.585	27.787	32.508	37.123	0.74	29.9
260	-0.264	-0.273	34.589	27.788	32.508	37.122	0.64	29.8
270	-0.177	-0.187	34.599	27.792	32.509	37.121	0.98	29.5
280	-0.095	-0.105	34.605	27.793	32.508	37.116	0.09	29.5
290	-0.012	-0.023	34.614	27.796	32.508	37.114	0.84	29.3
300	0.080	0.068	34.623	27.798	32.508	37.111	0.70	29.1
325	0.193	0.180	34.635	27.802	32.508	37.108	0.56	28.9
350	0.251	0.237	34.640	27.803	32.507	37.106	0.19	28.9
375	0.309	0.294	34.646	27.804	32.507	37.104	0.35	28.8
400	0.425	0.408	34.660	27.809	32.508	37.102	0.64	28.5
425	0.456	0.438	34.662	27.809	32.507	37.100	-0.25	28.5
450	0.505	0.485	34.667	27.810	32.507	37.098	0.27	28.5
475	0.519	0.498	34.672	27.813	32.510	37.101	0.62	28.3
500	0.527	0.505	34.674	27.815	32.511	37.101	0.37	28.2
550	0.538	0.513	34.677	27.817	32.512	37.103	0.33	28.1
600	0.536	0.509	34.677	27.817	32.513	37.103	0.15	28.1
650	0.523	0.493	34.678	27.819	32.515	37.106	0.35	28.0
700	0.502	0.470	34.679	27.821	32.518	37.109	0.41	27.8
750	0.471	0.437	34.679	27.823	32.521	37.113	0.41	27.6
800	0.443	0.406	34.677	27.823	32.522	37.115	0.23	27.6
850	0.404	0.365	34.678	27.826	32.526	37.121	0.51	27.2
900	0.379	0.337	34.676	27.826	32.527	37.123	0.21	27.2
950	0.351	0.307	34.675	27.827	32.529	37.125	0.33	27.1
1000	0.343	0.296	34.677	27.829	32.532	37.128	0.40	26.9
1100	0.281	0.229	34.673	27.830	32.534	37.133	0.29	26.7
1200	0.251	0.193	34.674	27.833	32.538	37.137	0.35	26.4
1300	0.219	0.156	34.672	27.833	32.540	37.140	0.24	26.3
1400	0.159	0.090	34.670	27.835	32.543	37.146	0.38	25.9
1500	0.117	0.043	34.671	27.838	32.548	37.152	0.41	25.5
1600	0.081	0.001	34.667	27.837	32.549	37.154	0.17	25.4
1700	0.043	-0.043	34.667	27.840	32.552	37.159	0.37	25.0
1800	0.014	-0.078	34.663	27.838	32.552	37.159	0.12	25.0
1900	-0.021	-0.119	34.663	27.840	32.555	37.164	0.37	24.6
2000	-0.052	-0.157	34.663	27.842	32.558	37.168	0.36	24.3
2100	-0.077	-0.188	34.662	27.843	32.560	37.171	0.29	24.0
2200	-0.106	-0.224	34.659	27.843	32.560	37.172	0.23	23.9
2300	-0.129	-0.254	34.659	27.844	32.563	37.175	0.33	23.5
2400	-0.159	-0.291	34.658	27.845	32.565	37.179	0.33	23.2
2500	-0.200	-0.339	34.655	27.845	32.566	37.181	0.33	22.9
2600	-0.259	-0.404	34.653	27.846	32.570	37.187	0.45	22.3
2700	-1.045	-1.182	34.608	27.843	32.590	37.231	1.35	16.7
2725	-1.089	-1.226	34.609	27.845	32.594	37.236	0.87	16.1

# CAMP 62



62

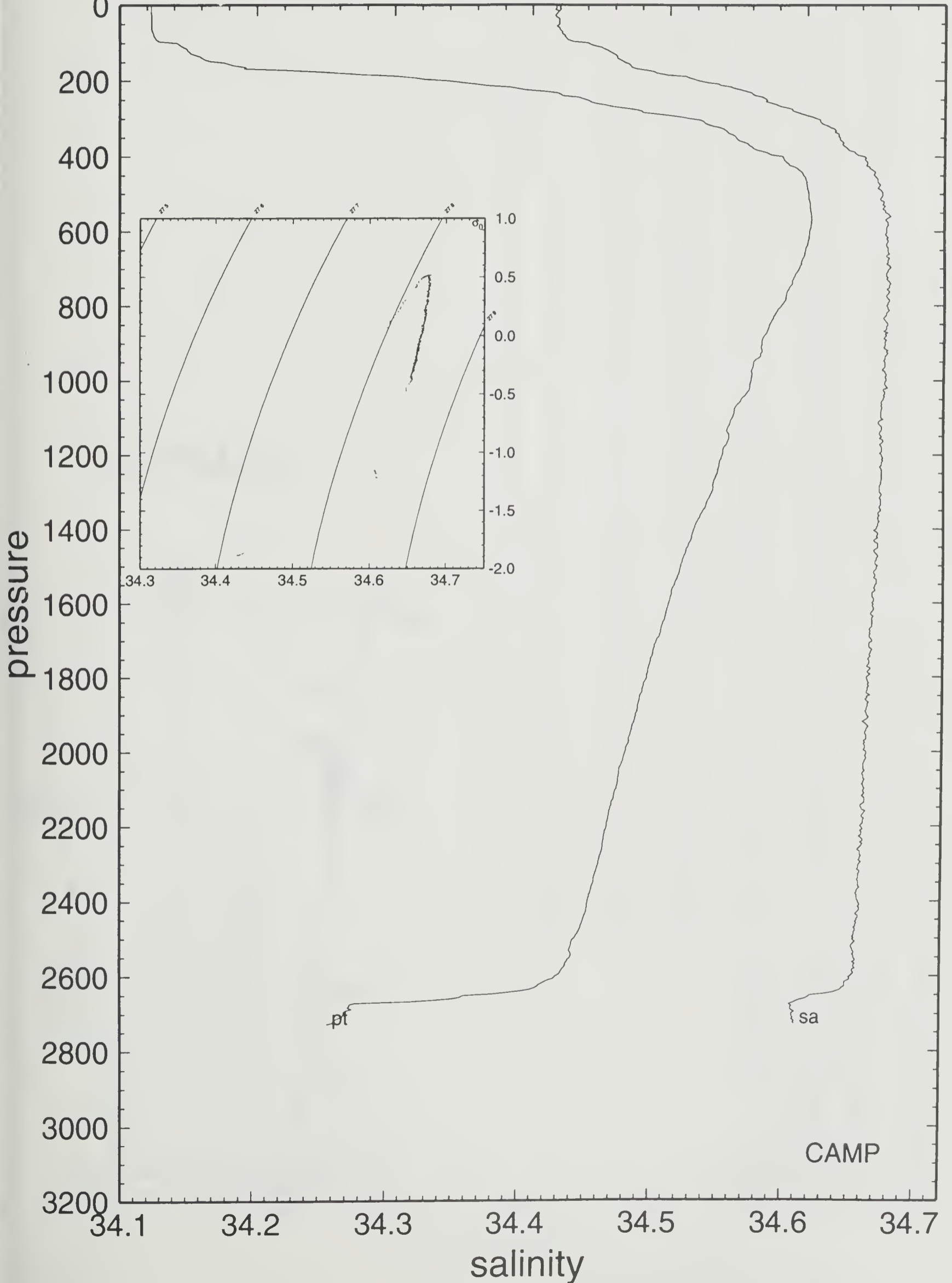
92/05/24 22:41

66 34.29 S 53 8.85 W

CAMP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



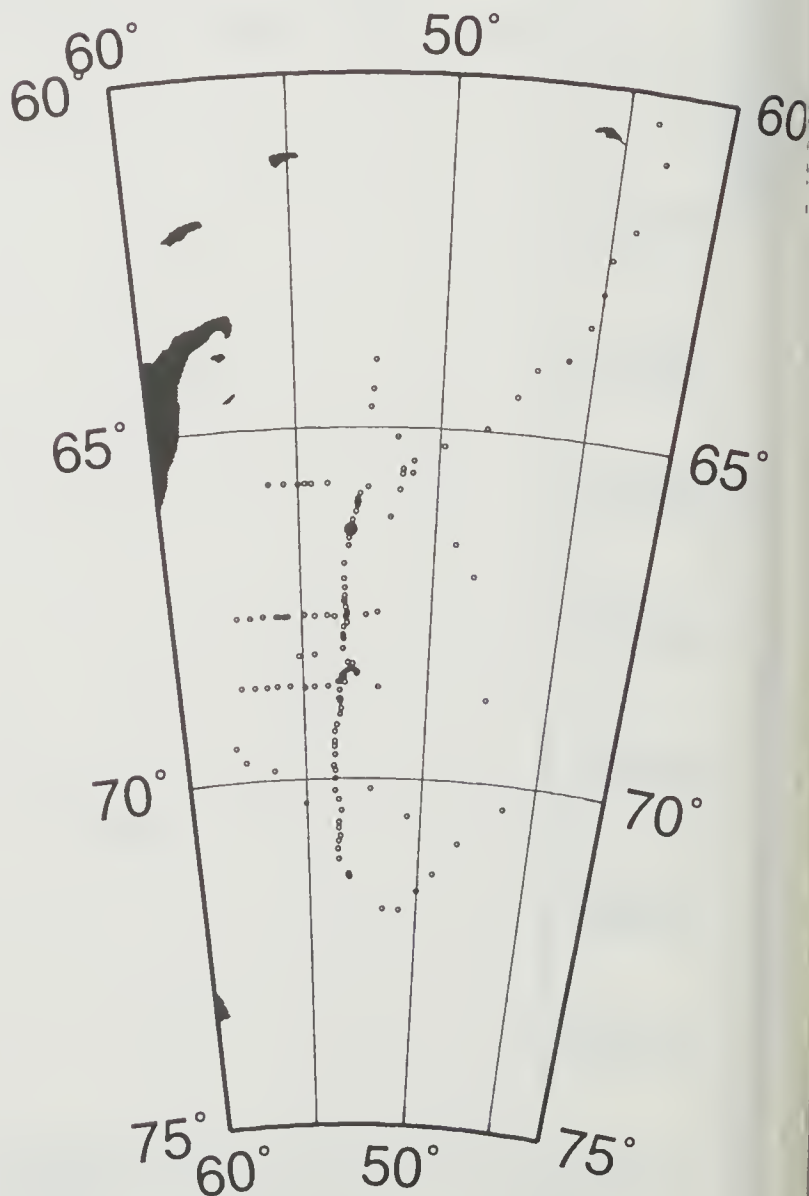
ISW-I -66.4402 -53.0760 92/05/25 146 13:45 CAMP STA# 63

bottom depth = 2660

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.873	-1.873	34.440	27.728	32.498	37.162	0.00	35.8
10	-1.872	-1.872	34.437	27.725	32.496	37.159	-0.88	36.0
20	-1.872	-1.872	34.436	27.724	32.495	37.159	-0.50	36.0
30	-1.871	-1.872	34.438	27.726	32.497	37.160	0.71	35.8
40	-1.871	-1.872	34.437	27.725	32.496	37.159	-0.50	35.8
50	-1.868	-1.869	34.439	27.727	32.497	37.161	0.70	35.6
60	-1.867	-1.868	34.440	27.728	32.498	37.161	0.50	35.5
70	-1.866	-1.867	34.440	27.728	32.498	37.161	-0.08	35.4
80	-1.865	-1.867	34.441	27.728	32.499	37.162	0.50	35.3
90	-1.845	-1.847	34.444	27.730	32.500	37.163	0.76	35.1
100	-1.774	-1.776	34.455	27.737	32.505	37.165	1.46	34.3
110	-1.704	-1.706	34.469	27.747	32.512	37.170	1.70	33.4
120	-1.680	-1.683	34.474	27.750	32.515	37.172	1.01	33.1
130	-1.641	-1.644	34.475	27.750	32.513	37.169	-0.38	33.0
140	-1.559	-1.562	34.480	27.751	32.512	37.165	0.63	32.9
150	-1.448	-1.452	34.491	27.757	32.514	37.164	1.24	32.4
160	-1.370	-1.374	34.495	27.758	32.512	37.160	0.32	32.3
170	-1.285	-1.289	34.503	27.761	32.513	37.158	1.00	31.9
180	-1.074	-1.079	34.513	27.762	32.507	37.145	-0.45	32.0
190	-0.936	-0.941	34.523	27.765	32.505	37.140	0.79	31.7
200	-0.751	-0.757	34.543	27.773	32.508	37.137	1.53	31.0
210	-0.548	-0.555	34.556	27.775	32.504	37.126	0.36	30.9
220	-0.393	-0.400	34.568	27.777	32.502	37.119	0.70	30.8
230	-0.322	-0.330	34.579	27.783	32.505	37.120	1.25	30.3
240	-0.229	-0.237	34.584	27.783	32.502	37.114	-0.60	30.4
250	-0.121	-0.130	34.593	27.784	32.500	37.110	0.58	30.3
260	-0.044	-0.054	34.607	27.792	32.505	37.112	1.45	29.6
270	0.004	-0.006	34.612	27.793	32.505	37.111	0.60	29.5
280	0.067	0.056	34.620	27.796	32.506	37.110	0.90	29.3
290	0.155	0.144	34.628	27.798	32.505	37.107	0.55	29.2
300	0.193	0.181	34.632	27.799	32.505	37.106	0.51	29.1
325	0.231	0.218	34.639	27.803	32.508	37.107	0.64	28.8
350	0.260	0.246	34.644	27.805	32.510	37.108	0.52	28.6
375	0.317	0.302	34.648	27.806	32.508	37.105	-0.26	28.7
400	0.372	0.355	34.655	27.808	32.509	37.104	0.49	28.5
425	0.402	0.384	34.658	27.809	32.509	37.103	0.22	28.5
450	0.443	0.424	34.663	27.811	32.509	37.102	0.38	28.4
475	0.450	0.429	34.666	27.813	32.511	37.104	0.50	28.2
500	0.470	0.448	34.668	27.813	32.511	37.103	0.17	28.2
550	0.480	0.456	34.672	27.816	32.514	37.106	0.41	28.0
600	0.503	0.476	34.676	27.818	32.515	37.106	0.32	27.9
650	0.524	0.494	34.680	27.820	32.517	37.107	0.33	27.8
700	0.509	0.477	34.679	27.820	32.517	37.109	0.19	27.8
750	0.493	0.458	34.682	27.824	32.521	37.113	0.49	27.5
800	0.473	0.436	34.682	27.825	32.523	37.116	0.34	27.4
850	0.437	0.397	34.681	27.827	32.526	37.119	0.39	27.3
900	0.416	0.374	34.682	27.829	32.529	37.123	0.42	27.1
950	0.392	0.347	34.680	27.829	32.529	37.125	0.20	27.0
1000	0.375	0.328	34.681	27.831	32.532	37.128	0.39	26.9
1100	0.314	0.262	34.679	27.833	32.536	37.134	0.36	26.5
1200	0.263	0.205	34.677	27.834	32.539	37.138	0.33	26.3
1300	0.216	0.153	34.676	27.836	32.543	37.144	0.35	26.0
1400	0.167	0.098	34.671	27.835	32.544	37.146	0.19	25.9
1500	0.128	0.054	34.672	27.839	32.548	37.152	0.40	25.5
1600	0.081	0.001	34.670	27.840	32.551	37.156	0.34	25.2
1700	0.033	-0.053	34.669	27.842	32.555	37.161	0.38	24.8
1800	-0.002	-0.094	34.665	27.841	32.555	37.163	0.18	24.7
1900	-0.028	-0.126	34.667	27.844	32.559	37.168	0.39	24.3
2000	-0.063	-0.168	34.666	27.845	32.562	37.172	0.34	23.9
2100	-0.092	-0.203	34.664	27.846	32.563	37.174	0.27	23.7
2200	-0.120	-0.238	34.661	27.845	32.563	37.175	0.22	23.6
2300	-0.139	-0.264	34.663	27.848	32.567	37.180	0.38	23.1
2400	-0.178	-0.310	34.662	27.849	32.570	37.184	0.38	22.7
2500	-0.217	-0.355	34.658	27.848	32.570	37.186	0.27	22.5
2600	-0.311	-0.455	34.652	27.848	32.573	37.192	0.48	21.8
2700	-1.268	-1.400	34.614	27.855	32.609	37.257	1.60	13.9

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.872	-1.872	34.434	6.460
49	-1.868	-1.869	34.435	5.609
170	-1.285	-1.289	34.497	5.937
270	0.004	-0.006	34.597	5.123
421	0.403	0.385	34.656	4.701
622	0.521	0.493	34.679	4.501
823	0.455	0.417	34.684	4.655
1024	0.356	0.308	34.681	4.602
1427	0.156	0.086	34.673	4.733
1830	-0.009	-0.103	34.669	
2132	-0.106	-0.219	34.663	5.017
2535	-0.232	-0.373	34.657	5.182
2606	-0.404	-0.547	34.650	5.369
2656	-1.110	-1.242	34.613	6.185
2697	-1.266	-1.398	34.610	6.633

# CAMP 63





63

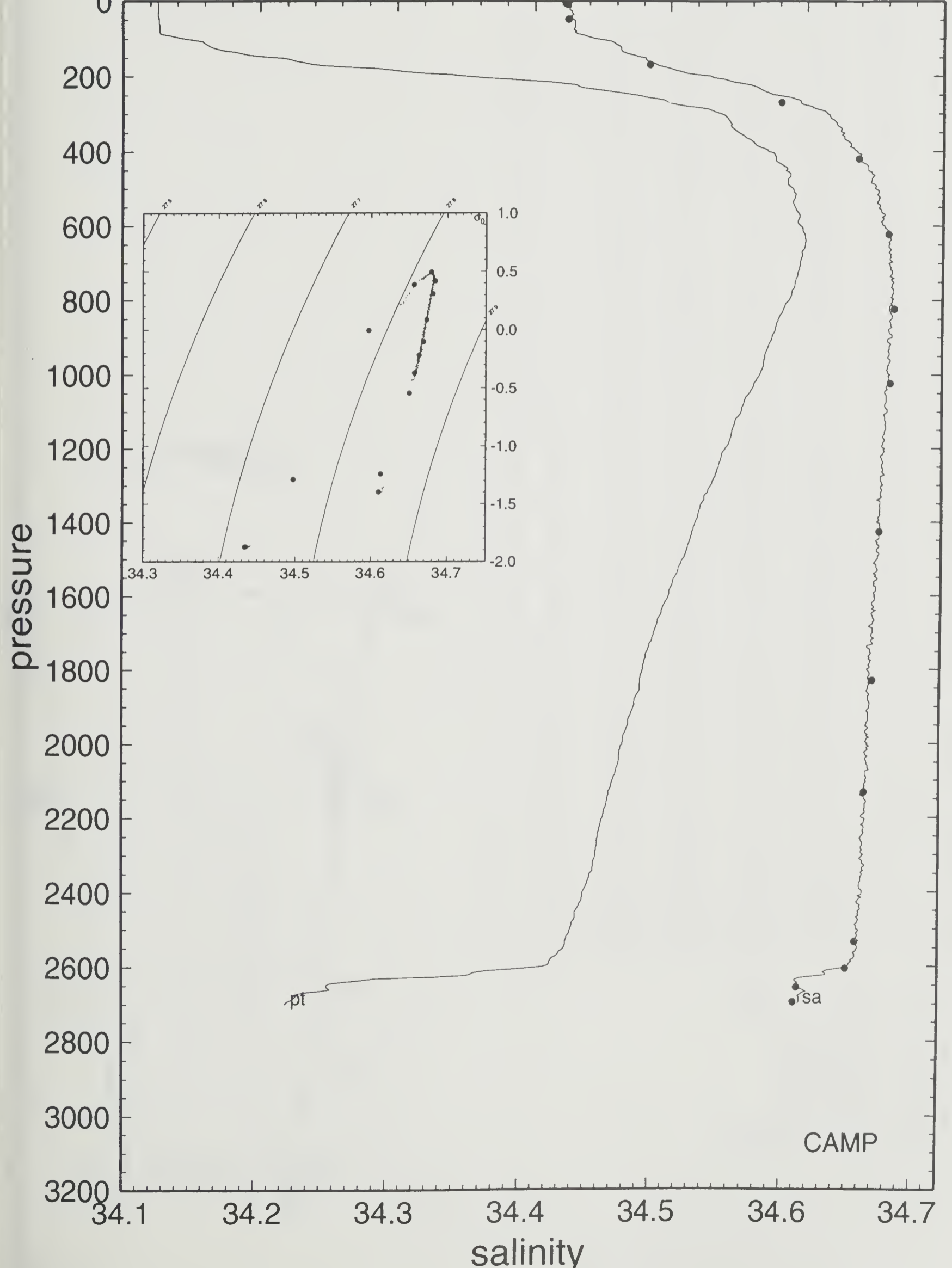
92/05/25 13:45

66 26.41 S 53 4.56 W

CAMP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



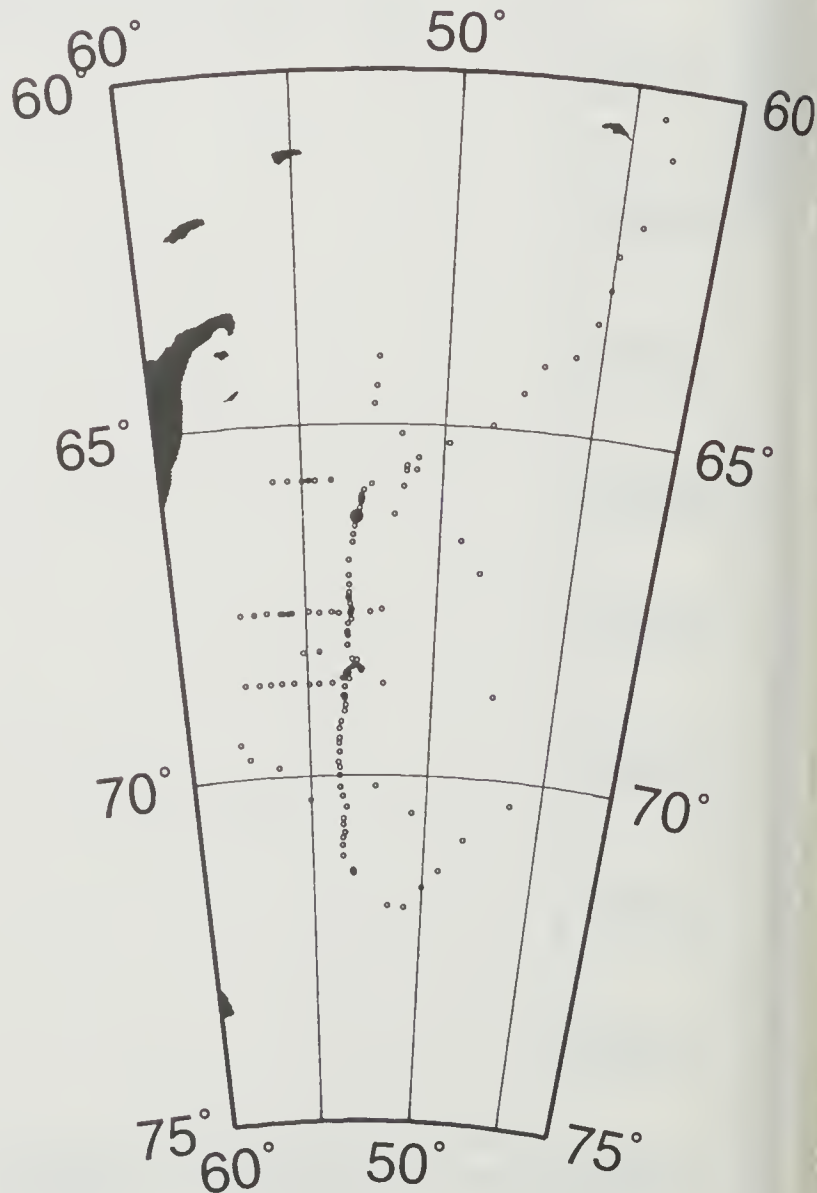
ISW-I -66.3120 -53.0140 92/05/26 147 12:33 CAMP STA# 64

bottom depth = 2855

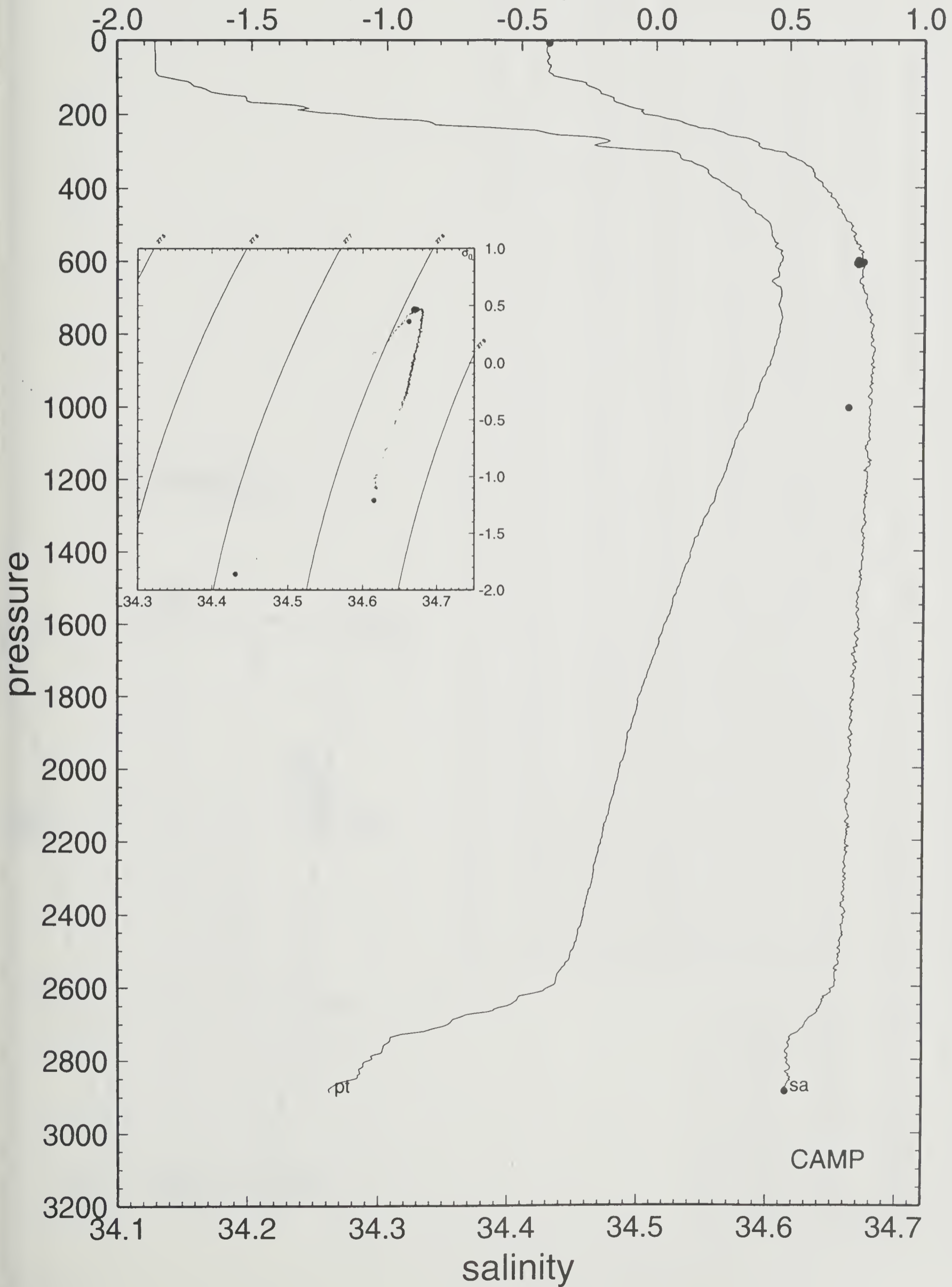
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.834	-1.834	34.426	27.715	32.485	37.147	0.00	37.0
10	-1.859	-1.859	34.430	27.719	32.490	37.153	1.11	36.6
20	-1.859	-1.859	34.429	27.718	32.489	37.152	-0.50	36.6
30	-1.859	-1.860	34.429	27.718	32.489	37.152	0.04	36.5
40	-1.858	-1.859	34.430	27.719	32.490	37.153	0.50	36.4
50	-1.858	-1.859	34.431	27.720	32.490	37.153	0.51	36.3
60	-1.857	-1.858	34.430	27.719	32.490	37.153	-0.51	36.3
70	-1.857	-1.858	34.432	27.721	32.491	37.154	0.71	36.1
80	-1.857	-1.859	34.431	27.720	32.490	37.153	-0.50	36.1
90	-1.853	-1.855	34.432	27.721	32.491	37.154	0.47	36.0
100	-1.816	-1.818	34.439	27.725	32.494	37.156	1.20	35.5
110	-1.751	-1.753	34.452	27.734	32.501	37.161	1.64	34.6
120	-1.718	-1.721	34.459	27.739	32.505	37.163	1.21	34.1
130	-1.678	-1.681	34.465	27.743	32.507	37.164	1.06	33.7
140	-1.647	-1.650	34.470	27.746	32.509	37.166	0.97	33.4
150	-1.550	-1.553	34.476	27.748	32.508	37.161	0.69	33.2
160	-1.517	-1.521	34.480	27.750	32.509	37.162	0.80	32.9
170	-1.449	-1.453	34.484	27.751	32.508	37.158	0.48	32.8
180	-1.309	-1.314	34.492	27.753	32.506	37.152	0.58	32.6
190	-1.308	-1.313	34.502	27.761	32.514	37.159	1.59	31.8
200	-1.163	-1.168	34.503	27.757	32.505	37.146	-1.27	32.3
210	-1.049	-1.055	34.520	27.766	32.511	37.149	1.66	31.4
220	-0.840	-0.847	34.533	27.769	32.507	37.138	0.53	31.3
230	-0.765	-0.772	34.542	27.773	32.509	37.138	1.07	30.9
240	-0.533	-0.541	34.557	27.775	32.503	37.125	0.34	30.9
250	-0.402	-0.410	34.566	27.776	32.501	37.119	0.29	30.8
260	-0.259	-0.268	34.575	27.777	32.497	37.111	-0.46	30.9
270	-0.171	-0.181	34.588	27.783	32.500	37.111	1.30	30.4
280	-0.205	-0.215	34.593	27.789	32.507	37.119	1.37	29.8
290	-0.164	-0.175	34.594	27.787	32.505	37.115	-0.70	29.9
300	0.068	0.056	34.605	27.784	32.494	37.098	-1.27	30.4
325	0.122	0.109	34.623	27.796	32.504	37.107	1.18	29.4
350	0.206	0.192	34.633	27.800	32.505	37.105	0.58	29.1
375	0.240	0.225	34.637	27.801	32.506	37.105	0.36	29.0
400	0.295	0.278	34.643	27.803	32.506	37.103	0.38	28.9
425	0.334	0.316	34.647	27.804	32.506	37.102	0.27	28.9
450	0.364	0.345	34.653	27.807	32.508	37.103	0.59	28.6
475	0.409	0.389	34.658	27.809	32.508	37.102	0.33	28.6
500	0.447	0.425	34.663	27.810	32.509	37.102	0.41	28.5
550	0.472	0.448	34.667	27.812	32.510	37.103	0.31	28.4
600	0.498	0.471	34.671	27.814	32.511	37.103	0.30	28.3
650	0.470	0.441	34.671	27.816	32.514	37.107	0.38	28.1
700	0.499	0.467	34.676	27.818	32.516	37.107	0.35	28.0
750	0.505	0.470	34.680	27.822	32.519	37.110	0.43	27.8
800	0.498	0.461	34.679	27.821	32.519	37.111	-0.03	27.8
850	0.481	0.441	34.681	27.824	32.522	37.114	0.45	27.6
900	0.457	0.415	34.680	27.825	32.524	37.117	0.30	27.5
950	0.433	0.388	34.680	27.826	32.526	37.120	0.38	27.4
1000	0.411	0.363	34.678	27.826	32.526	37.121	0.18	27.4
1100	0.350	0.297	34.677	27.829	32.531	37.128	0.40	27.0
1200	0.308	0.250	34.677	27.832	32.536	37.133	0.37	26.7
1300	0.255	0.191	34.675	27.834	32.539	37.138	0.35	26.4
1400	0.202	0.133	34.673	27.835	32.542	37.144	0.35	26.1
1500	0.160	0.085	34.670	27.835	32.544	37.147	0.26	25.9
1600	0.117	0.036	34.670	27.838	32.548	37.152	0.39	25.5
1700	0.076	-0.011	34.667	27.838	32.549	37.155	0.27	25.3
1800	0.032	-0.061	34.666	27.840	32.553	37.160	0.37	25.0
1900	-0.003	-0.102	34.665	27.841	32.555	37.164	0.33	24.6
2000	-0.028	-0.133	34.662	27.840	32.556	37.165	0.18	24.6
2100	-0.057	-0.169	34.662	27.842	32.558	37.169	0.35	24.2
2200	-0.085	-0.204	34.660	27.842	32.560	37.171	0.27	24.0
2300	-0.107	-0.232	34.659	27.843	32.561	37.173	0.28	23.8
2400	-0.135	-0.267	34.660	27.845	32.565	37.178	0.39	23.3
2500	-0.169	-0.308	34.657	27.845	32.566	37.180	0.28	23.1
2600	-0.246	-0.391	34.653	27.846	32.569	37.186	0.47	22.4
2700	-0.619	-0.765	34.630	27.844	32.579	37.207	0.93	19.8
2800	-0.918	-1.065	34.617	27.846	32.589	37.227	0.91	17.2
2885	-1.062	-1.212	34.616	27.850	32.599	37.240	0.79	15.4

PRES	TEMPER	POTEMP	SLINTY	OXYG
7	-1.860	-1.860	34.431	6.412
598	0.498	0.471	34.669	4.629
600	0.498	0.471	34.669	
602	0.496	0.469	34.670	
604	0.494	0.467	34.673	
606	0.491	0.464	34.668	
608	0.489	0.462	34.671	
610	0.489	0.462	34.669	
1003	0.410	0.362	34.662	4.866
2886	-1.062	-1.212	34.615	6.163

# CAMP 64



### potential temperature

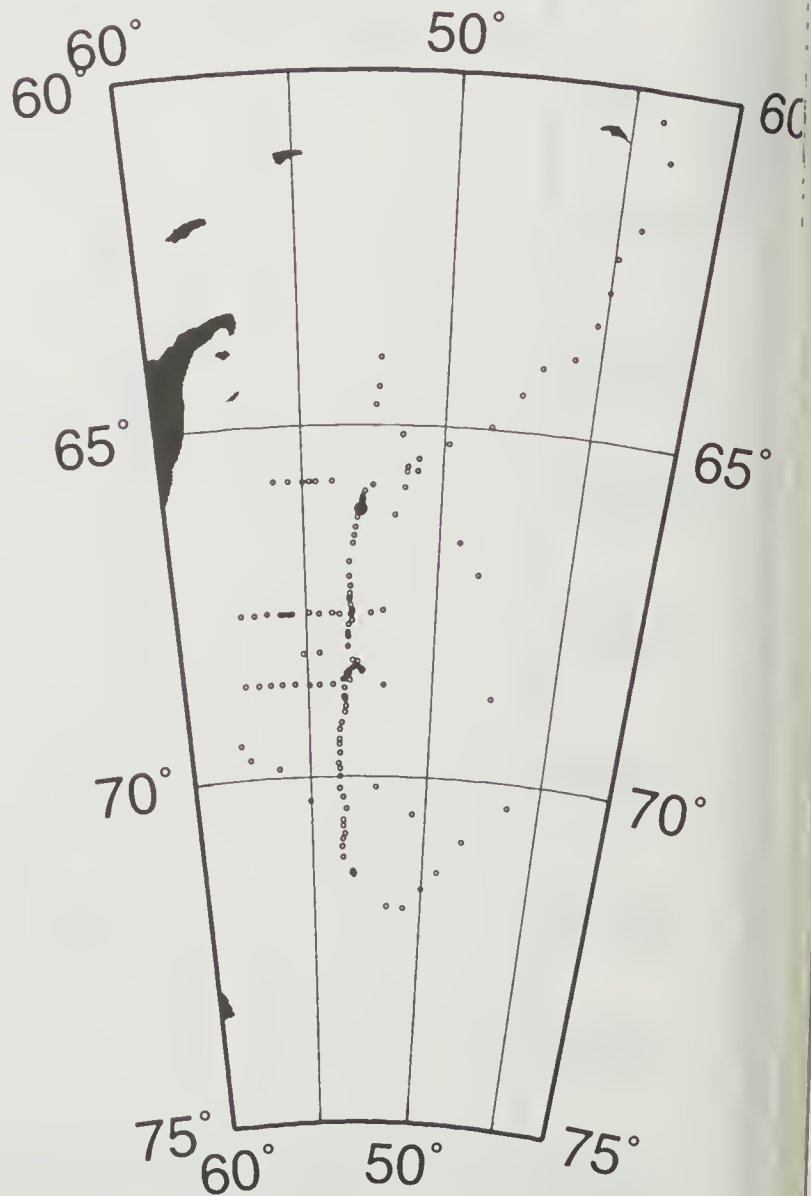


ISW-I -66.1920 -52.8963 92/05/27 148 13:31 CAMP STA# 65  
 bottom depth = 2815

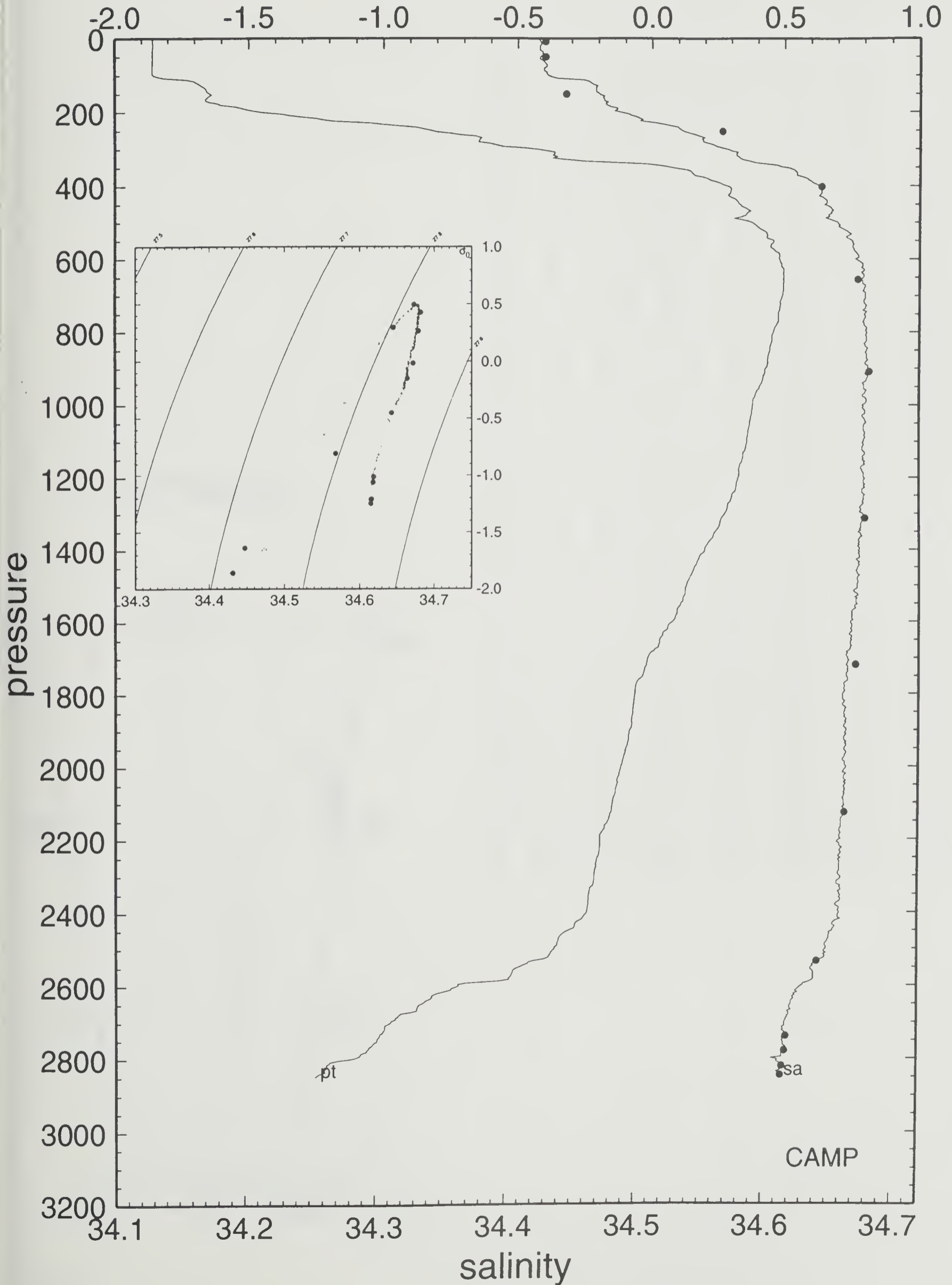
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.849	-1.849	34.419	27.710	32.480	37.143	0.00	37.5
10	-1.859	-1.859	34.427	27.717	32.487	37.150	1.46	36.8
20	-1.857	-1.857	34.427	27.717	32.487	37.150	-0.12	36.8
30	-1.857	-1.858	34.427	27.717	32.487	37.150	0.04	36.7
40	-1.857	-1.858	34.429	27.718	32.489	37.152	0.71	36.5
50	-1.857	-1.858	34.427	27.717	32.487	37.150	-0.71	36.6
60	-1.858	-1.859	34.429	27.718	32.489	37.152	0.72	36.4
70	-1.858	-1.859	34.431	27.720	32.490	37.153	0.71	36.1
80	-1.858	-1.860	34.430	27.719	32.490	37.153	-0.50	36.2
90	-1.858	-1.860	34.431	27.720	32.490	37.153	0.51	36.0
100	-1.854	-1.856	34.433	27.722	32.492	37.155	0.69	35.8
110	-1.771	-1.773	34.450	27.733	32.501	37.161	1.88	34.7
120	-1.691	-1.694	34.466	27.744	32.509	37.166	1.81	33.6
130	-1.669	-1.672	34.471	27.747	32.511	37.168	1.02	33.3
140	-1.654	-1.657	34.470	27.746	32.510	37.166	-0.64	33.3
150	-1.640	-1.643	34.472	27.747	32.511	37.167	0.60	33.2
160	-1.649	-1.653	34.475	27.750	32.514	37.170	0.93	32.9
170	-1.649	-1.653	34.478	27.753	32.516	37.172	0.87	32.6
180	-1.602	-1.606	34.478	27.751	32.513	37.168	-0.72	32.7
190	-1.515	-1.519	34.486	27.755	32.514	37.166	1.02	32.3
200	-1.446	-1.451	34.489	27.755	32.512	37.162	-0.23	32.3
210	-1.320	-1.325	34.499	27.759	32.512	37.158	0.99	31.9
220	-1.220	-1.226	34.506	27.761	32.511	37.154	0.69	31.8
230	-1.020	-1.027	34.519	27.765	32.508	37.145	0.74	31.5
240	-0.872	-0.879	34.533	27.770	32.509	37.141	1.18	31.1
250	-0.806	-0.814	34.537	27.771	32.508	37.138	0.13	31.1
260	-0.715	-0.723	34.546	27.774	32.508	37.136	0.93	30.8
270	-0.632	-0.641	34.553	27.776	32.508	37.133	0.66	30.6
280	-0.639	-0.648	34.553	27.777	32.508	37.133	0.35	30.6
290	-0.560	-0.570	34.562	27.780	32.510	37.132	0.98	30.2
300	-0.418	-0.428	34.573	27.783	32.508	37.126	0.59	30.1
325	-0.348	-0.359	34.583	27.788	32.510	37.127	0.72	29.7
350	0.086	0.072	34.617	27.793	32.503	37.106	0.36	29.6
375	0.201	0.186	34.630	27.798	32.503	37.104	0.61	29.3
400	0.303	0.286	34.643	27.802	32.505	37.102	0.68	29.0
425	0.306	0.288	34.644	27.803	32.506	37.103	0.29	28.9
450	0.350	0.331	34.648	27.804	32.505	37.101	0.17	28.9
475	0.378	0.358	34.653	27.806	32.507	37.102	0.51	28.7
500	0.398	0.376	34.657	27.808	32.509	37.103	0.48	28.6
550	0.481	0.457	34.668	27.813	32.510	37.102	0.42	28.4
600	0.506	0.479	34.671	27.814	32.511	37.102	0.21	28.3
650	0.524	0.494	34.677	27.818	32.514	37.105	0.47	28.1
700	0.522	0.490	34.679	27.820	32.516	37.107	0.35	27.9
750	0.510	0.475	34.679	27.820	32.517	37.109	0.27	27.9
800	0.494	0.457	34.680	27.822	32.520	37.112	0.38	27.7
850	0.483	0.443	34.680	27.823	32.521	37.113	0.27	27.7
900	0.470	0.428	34.681	27.825	32.523	37.116	0.36	27.6
950	0.451	0.406	34.678	27.824	32.523	37.116	-0.18	27.7
1000	0.427	0.379	34.677	27.824	32.524	37.118	0.31	27.6
1100	0.411	0.358	34.678	27.827	32.527	37.122	0.29	27.4
1200	0.386	0.327	34.678	27.828	32.530	37.125	0.30	27.3
1300	0.339	0.275	34.677	27.830	32.533	37.131	0.36	27.0
1400	0.269	0.199	34.675	27.833	32.538	37.138	0.42	26.5
1500	0.206	0.131	34.673	27.835	32.542	37.144	0.40	26.1
1600	0.160	0.079	34.668	27.834	32.543	37.146	0.19	26.1
1700	0.073	-0.013	34.666	27.837	32.549	37.154	0.49	25.4
1800	0.030	-0.062	34.662	27.837	32.550	37.157	0.25	25.2
1900	0.018	-0.081	34.665	27.840	32.554	37.161	0.37	24.9
2000	-0.009	-0.115	34.665	27.842	32.556	37.165	0.34	24.5
2100	-0.034	-0.146	34.663	27.842	32.557	37.167	0.25	24.4
2200	-0.074	-0.193	34.661	27.843	32.560	37.170	0.34	24.0
2300	-0.089	-0.215	34.660	27.843	32.561	37.172	0.24	23.9
2400	-0.109	-0.242	34.660	27.844	32.563	37.175	0.32	23.6
2500	-0.224	-0.362	34.650	27.842	32.564	37.180	0.46	23.0
2600	-0.581	-0.720	34.632	27.844	32.577	37.203	0.95	20.2
2700	-0.833	-0.974	34.618	27.843	32.584	37.218	0.78	18.3
2800	-0.981	-1.126	34.608	27.841	32.586	37.225	0.57	17.1
2845	-1.101	-1.247	34.615	27.851	32.600	37.243	1.18	15.2

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.859	-1.859	34.431	6.947
50	-1.857	-1.858	34.431	6.630
151	-1.637	-1.640	34.447	6.658
251	-0.801	-0.809	34.568	5.779
403	0.310	0.293	34.645	5.248
656	0.524	0.494	34.673	5.114
909	0.468	0.425	34.682	4.735
1314	0.327	0.262	34.679	4.797
1720	0.070	-0.018	34.672	5.073
2127	-0.038	-0.152	34.664	5.451
2535	-0.314	-0.453	34.643	5.509
2739	-0.872	-1.015	34.619	6.288
2780	-0.918	-1.063	34.618	6.220
2821	-1.066	-1.211	34.616	6.290
2846	-1.103	-1.249	34.615	6.419

# CAMP 65



### potential temperature

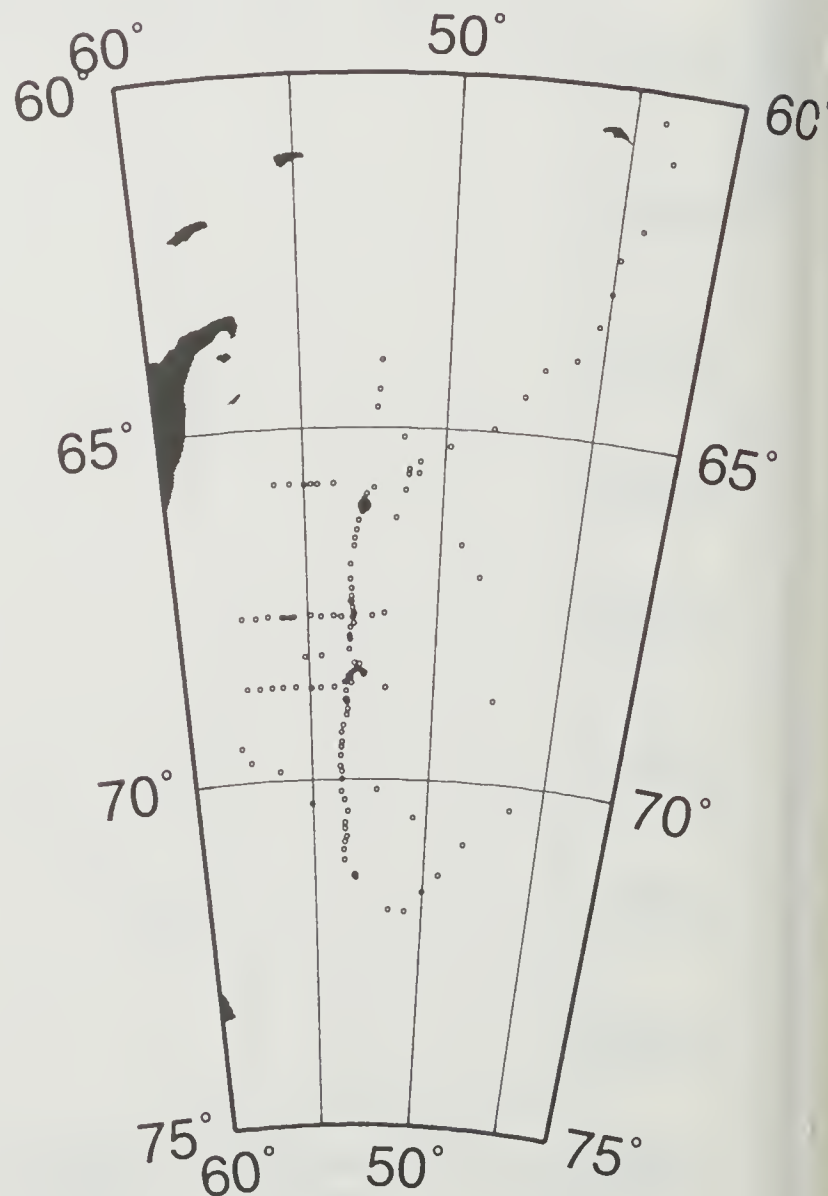


ISW-I -66.0958 -52.8443 92/05/28 149 18:25 CAMP STA# 66

bottom depth = 2757

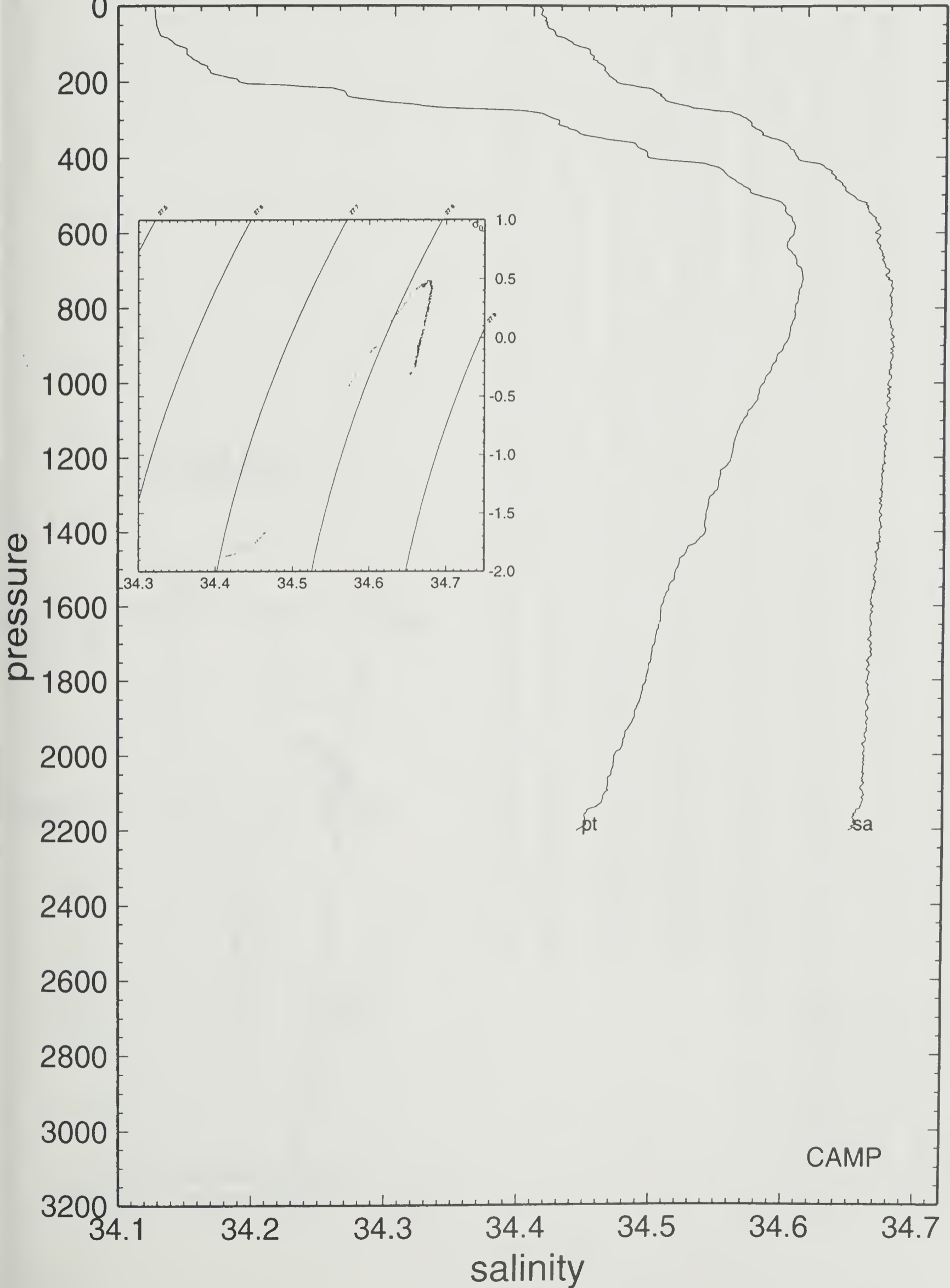
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.869	-1.869	34.414	27.706	32.477	37.141	0.00	37.8
10	-1.866	-1.866	34.417	27.709	32.480	37.143	0.86	37.6
20	-1.865	-1.865	34.416	27.708	32.479	37.142	-0.51	37.6
30	-1.863	-1.864	34.418	27.710	32.480	37.143	0.70	37.4
40	-1.861	-1.862	34.418	27.710	32.480	37.143	-0.12	37.3
50	-1.859	-1.860	34.419	27.710	32.481	37.144	0.49	37.2
60	-1.854	-1.855	34.421	27.712	32.482	37.145	0.68	37.0
70	-1.850	-1.851	34.425	27.715	32.485	37.148	0.99	36.6
80	-1.838	-1.840	34.427	27.716	32.486	37.148	0.63	36.4
90	-1.809	-1.811	34.435	27.722	32.491	37.152	1.33	35.8
100	-1.793	-1.795	34.439	27.725	32.493	37.154	0.93	35.5
110	-1.758	-1.760	34.448	27.731	32.498	37.158	1.40	34.9
120	-1.750	-1.752	34.452	27.734	32.501	37.161	0.97	34.5
130	-1.744	-1.747	34.454	27.736	32.502	37.162	0.67	34.3
140	-1.726	-1.729	34.454	27.735	32.501	37.160	-0.42	34.3
150	-1.703	-1.706	34.459	27.739	32.504	37.162	1.02	34.0
160	-1.674	-1.677	34.463	27.741	32.505	37.162	0.84	33.7
170	-1.666	-1.670	34.464	27.742	32.506	37.163	0.41	33.6
180	-1.650	-1.654	34.466	27.743	32.506	37.163	0.58	33.4
190	-1.582	-1.586	34.470	27.744	32.505	37.160	0.51	33.3
200	-1.561	-1.566	34.472	27.745	32.506	37.159	0.52	33.2
210	-1.358	-1.363	34.486	27.750	32.504	37.152	1.06	32.8
220	-1.203	-1.209	34.500	27.756	32.505	37.148	1.24	32.3
230	-1.172	-1.178	34.505	27.759	32.507	37.149	0.92	32.0
240	-1.155	-1.162	34.507	27.760	32.508	37.149	0.53	31.9
250	-1.048	-1.055	34.510	27.758	32.503	37.141	-0.86	32.0
260	-0.915	-0.923	34.521	27.762	32.503	37.136	0.92	31.8
270	-0.737	-0.745	34.535	27.766	32.501	37.129	0.90	31.5
280	-0.496	-0.505	34.559	27.775	32.502	37.123	1.46	30.8
290	-0.441	-0.451	34.566	27.778	32.504	37.123	0.91	30.6
300	-0.402	-0.412	34.571	27.780	32.505	37.123	0.77	30.4
325	-0.355	-0.366	34.578	27.784	32.507	37.124	0.62	30.0
350	-0.230	-0.243	34.590	27.788	32.507	37.120	0.55	29.8
375	-0.098	-0.112	34.603	27.792	32.507	37.116	0.55	29.5
400	-0.064	-0.079	34.609	27.795	32.509	37.117	0.59	29.3
425	0.184	0.167	34.629	27.798	32.504	37.105	-0.12	29.3
450	0.229	0.210	34.638	27.803	32.508	37.107	0.73	28.9
475	0.284	0.264	34.644	27.804	32.508	37.106	0.37	28.8
500	0.339	0.318	34.650	27.806	32.508	37.104	0.35	28.7
550	0.451	0.427	34.665	27.812	32.511	37.103	0.50	28.4
600	0.476	0.449	34.667	27.812	32.510	37.102	-0.08	28.4
650	0.470	0.441	34.672	27.817	32.515	37.107	0.54	28.0
700	0.511	0.479	34.678	27.819	32.516	37.108	0.33	27.9
750	0.505	0.470	34.681	27.822	32.519	37.111	0.44	27.7
800	0.493	0.456	34.679	27.822	32.519	37.111	-0.16	27.8
850	0.479	0.439	34.680	27.823	32.521	37.114	0.37	27.7
900	0.458	0.416	34.681	27.826	32.524	37.117	0.42	27.5
950	0.421	0.376	34.680	27.827	32.527	37.121	0.40	27.3
1000	0.390	0.343	34.678	27.827	32.528	37.123	0.29	27.2
1100	0.321	0.269	34.676	27.830	32.533	37.130	0.39	26.8
1200	0.285	0.227	34.675	27.832	32.536	37.134	0.30	26.6
1300	0.223	0.160	34.673	27.834	32.540	37.141	0.38	26.3
1400	0.201	0.132	34.671	27.834	32.541	37.142	0.18	26.2
1500	0.100	0.026	34.669	27.838	32.548	37.152	0.52	25.5
1600	0.052	-0.028	34.667	27.839	32.551	37.157	0.34	25.1
1700	0.035	-0.051	34.666	27.839	32.552	37.159	0.22	25.0
1800	0.009	-0.083	34.663	27.839	32.552	37.160	0.17	25.0
1900	-0.027	-0.125	34.663	27.841	32.556	37.165	0.37	24.6
2000	-0.092	-0.196	34.660	27.842	32.559	37.170	0.41	24.1
2100	-0.117	-0.228	34.660	27.844	32.562	37.173	0.33	23.7
2200	-0.213	-0.329	34.651	27.841	32.562	37.177	0.37	23.3

# CAMP 66



potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



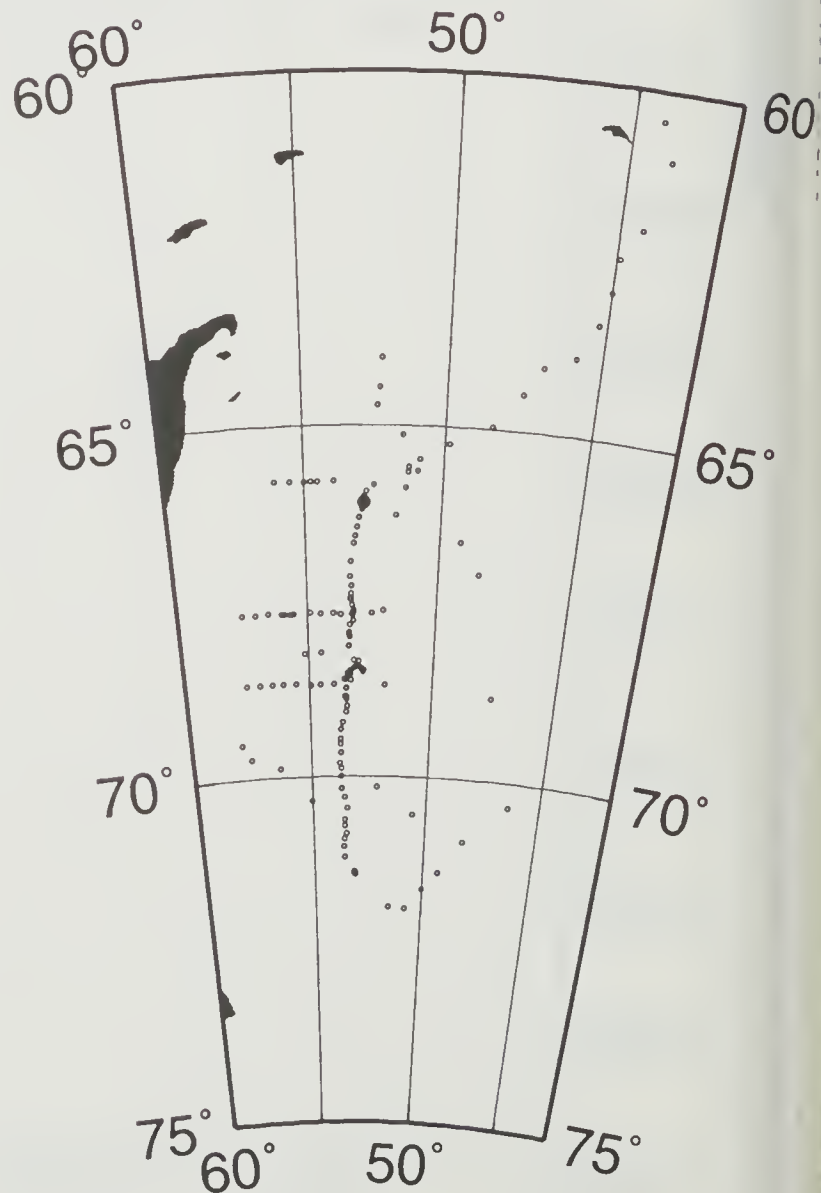
ISW-I -66.0897 -52.8427 92/05/28 149 20:30 CAMP STA# 67

bottom depth = 2726

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.855	-1.855	34.419	27.710	32.481	37.143	0.00	37.5
10	-1.865	-1.865	34.426	27.716	32.487	37.150	1.37	36.9
20	-1.866	-1.866	34.425	27.715	32.486	37.149	-0.49	36.9
30	-1.865	-1.866	34.426	27.716	32.487	37.150	0.50	36.7
40	-1.865	-1.866	34.426	27.716	32.487	37.150	0.04	36.7
50	-1.865	-1.866	34.426	27.716	32.487	37.150	0.04	36.6
60	-1.860	-1.861	34.427	27.717	32.487	37.150	0.46	36.5
70	-1.859	-1.860	34.429	27.718	32.489	37.152	0.71	36.3
80	-1.858	-1.860	34.430	27.719	32.490	37.153	0.50	36.2
90	-1.854	-1.856	34.432	27.721	32.491	37.154	0.69	35.9
100	-1.844	-1.846	34.434	27.722	32.492	37.155	0.65	35.8
110	-1.820	-1.822	34.440	27.726	32.496	37.157	1.14	35.3
120	-1.812	-1.814	34.443	27.729	32.497	37.159	0.83	35.0
130	-1.766	-1.769	34.451	27.734	32.501	37.161	1.26	34.5
140	-1.747	-1.750	34.456	27.737	32.504	37.164	1.04	34.1
150	-1.736	-1.739	34.459	27.740	32.506	37.165	0.81	33.9
160	-1.702	-1.705	34.462	27.741	32.506	37.164	0.64	33.7
170	-1.673	-1.677	34.467	27.744	32.509	37.166	0.98	33.3
180	-1.664	-1.668	34.468	27.745	32.509	37.166	0.40	33.2
190	-1.647	-1.651	34.470	27.746	32.509	37.166	0.57	33.1
200	-1.574	-1.579	34.478	27.750	32.511	37.165	1.10	32.7
210	-1.531	-1.536	34.481	27.751	32.511	37.164	0.51	32.5
220	-1.452	-1.457	34.483	27.751	32.508	37.158	-0.66	32.6
230	-1.401	-1.407	34.491	27.755	32.511	37.160	1.18	32.2
240	-1.245	-1.251	34.490	27.749	32.500	37.144	-1.50	32.8
250	-0.985	-0.992	34.514	27.759	32.502	37.138	1.57	32.0
260	-0.647	-0.655	34.544	27.770	32.502	37.127	1.55	31.3
270	-0.596	-0.605	34.552	27.774	32.504	37.128	1.09	30.9
280	-0.544	-0.553	34.560	27.778	32.507	37.129	1.08	30.5
290	-0.318	-0.328	34.575	27.780	32.502	37.117	-0.33	30.5
300	-0.201	-0.212	34.588	27.785	32.503	37.115	1.08	30.2
325	-0.134	-0.146	34.597	27.788	32.505	37.115	0.64	29.8
350	-0.125	-0.138	34.599	27.790	32.506	37.115	0.37	29.7
375	0.074	0.059	34.614	27.791	32.501	37.105	-0.22	29.7
400	0.139	0.123	34.629	27.800	32.508	37.110	0.99	29.0
425	0.172	0.155	34.634	27.802	32.509	37.110	0.49	28.8
450	0.201	0.183	34.637	27.803	32.509	37.109	0.25	28.8
475	0.256	0.236	34.644	27.806	32.510	37.109	0.49	28.6
500	0.309	0.288	34.650	27.808	32.511	37.108	0.38	28.5
550	0.409	0.385	34.662	27.812	32.512	37.106	0.40	28.3
600	0.491	0.464	34.673	27.816	32.514	37.105	0.42	28.1
650	0.506	0.477	34.675	27.817	32.514	37.105	0.20	28.1
700	0.484	0.452	34.680	27.823	32.520	37.112	0.61	27.6
750	0.499	0.464	34.683	27.824	32.522	37.113	0.30	27.5
800	0.488	0.451	34.683	27.825	32.523	37.115	0.26	27.5
850	0.475	0.435	34.682	27.825	32.523	37.116	0.18	27.5
900	0.462	0.420	34.683	27.827	32.526	37.118	0.36	27.3
950	0.433	0.388	34.683	27.829	32.528	37.122	0.41	27.1
1000	0.401	0.353	34.682	27.830	32.531	37.125	0.37	27.0
1100	0.333	0.280	34.680	27.833	32.535	37.132	0.39	26.6
1200	0.289	0.231	34.678	27.834	32.538	37.136	0.30	26.4
1300	0.245	0.182	34.677	27.836	32.541	37.141	0.34	26.2
1400	0.194	0.125	34.675	27.837	32.545	37.146	0.34	25.9
1500	0.118	0.044	34.672	27.839	32.549	37.153	0.41	25.4
1600	0.073	-0.007	34.671	27.841	32.552	37.158	0.36	25.0
1700	0.032	-0.054	34.668	27.841	32.554	37.161	0.27	24.8
1800	0.013	-0.079	34.666	27.841	32.554	37.162	0.18	24.8
1900	-0.044	-0.142	34.665	27.843	32.559	37.168	0.43	24.2
2000	-0.194	-0.297	34.655	27.843	32.563	37.177	0.52	23.4
2100	-0.288	-0.396	34.650	27.844	32.567	37.184	0.46	22.7
2200	-0.346	-0.460	34.643	27.841	32.566	37.185	0.22	22.5
2300	-0.344	-0.465	34.644	27.842	32.567	37.186	0.21	22.4
2400	-0.653	-0.776	34.637	27.850	32.585	37.213	0.97	19.5
2500	-0.911	-1.036	34.624	27.850	32.593	37.229	0.78	17.5
2600	-0.966	-1.097	34.622	27.851	32.596	37.234	0.41	16.8
2700	-1.033	-1.170	34.624	27.855	32.602	37.242	0.56	15.7
2755	-1.040	-1.181	34.624	27.856	32.603	37.243	0.27	15.4

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.867	-1.867	34.417	6.641
19	-1.866	-1.866	34.416	
45	-1.865	-1.866	34.422	
70	-1.859	-1.860	34.428	
90	-1.854	-1.856	34.441	6.536
140	-1.747	-1.750	34.461	
191	-1.645	-1.649	34.485	
291	-0.307	-0.317	34.584	
594	0.492	0.465	34.677	4.607
599	0.491	0.464	34.676	
604	0.491	0.464	34.677	
609	0.490	0.463	34.677	
614	0.492	0.464	34.681	
2705	-1.039	-1.176	34.623	6.384
2756	-1.039	-1.180	34.621	6.238

# CAMP 67





67

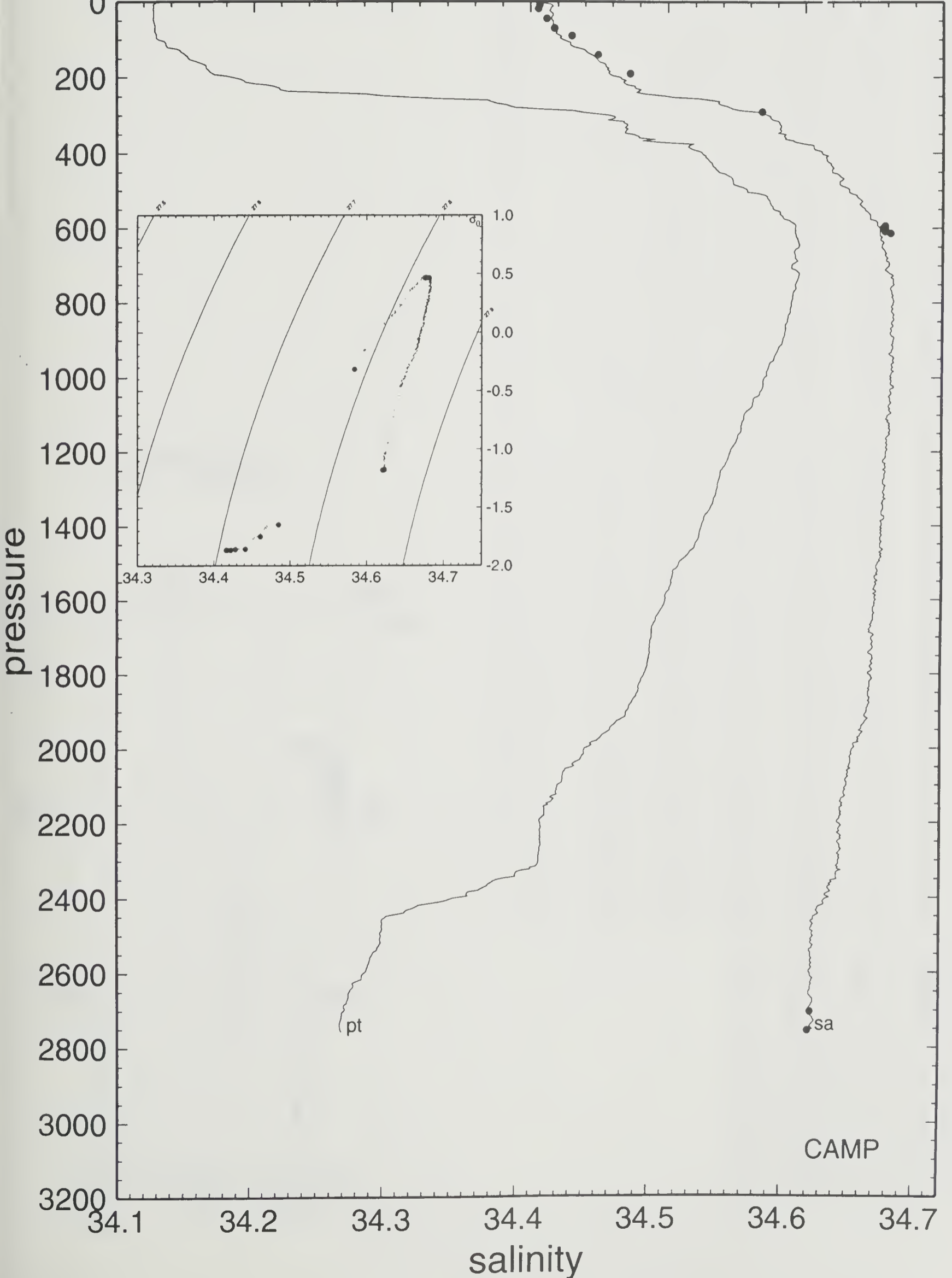
92/05/28 20:30

66 5.38 S 52 50.56 W

CAMP

potential temperature

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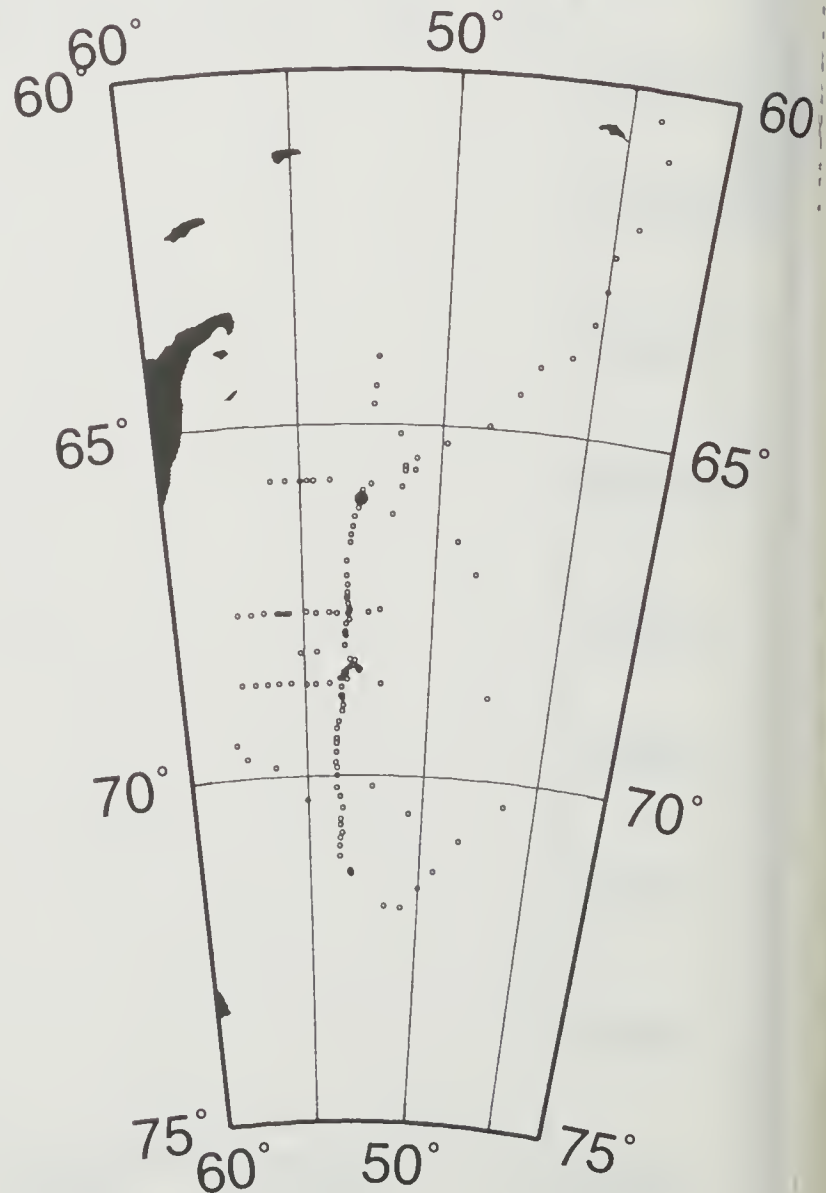
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bottom depth = 2551

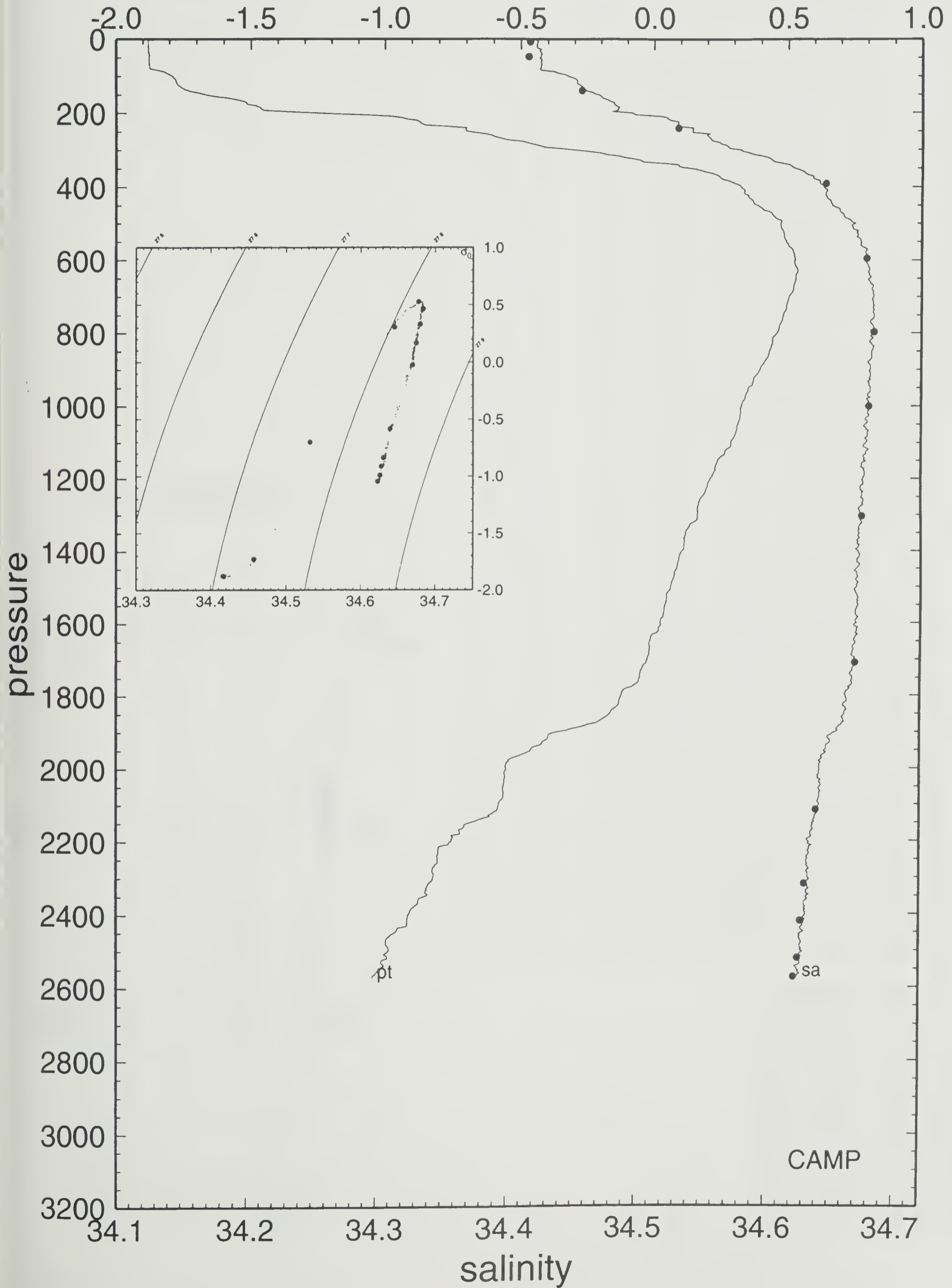
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.862	-1.862	34.420	27.711	32.482	37.145	0.00	37.4
10	-1.880	-1.880	34.423	27.714	32.485	37.149	0.96	37.1
20	-1.879	-1.879	34.422	27.713	32.484	37.148	-0.51	37.1
30	-1.878	-1.879	34.424	27.715	32.486	37.150	0.71	36.9
40	-1.876	-1.877	34.426	27.716	32.487	37.151	0.70	36.7
50	-1.875	-1.876	34.424	27.715	32.486	37.149	-0.72	36.8
60	-1.875	-1.876	34.425	27.716	32.487	37.150	0.51	36.6
70	-1.875	-1.876	34.425	27.716	32.487	37.150	0.04	36.6
80	-1.870	-1.872	34.424	27.715	32.486	37.149	-0.54	36.6
90	-1.813	-1.815	34.437	27.724	32.493	37.154	1.67	35.7
100	-1.787	-1.789	34.446	27.730	32.498	37.159	1.43	35.0
110	-1.775	-1.777	34.452	27.735	32.503	37.163	1.19	34.5
120	-1.770	-1.772	34.453	27.736	32.503	37.163	0.46	34.4
130	-1.755	-1.758	34.458	27.739	32.506	37.166	1.06	34.0
140	-1.720	-1.723	34.461	27.741	32.507	37.165	0.64	33.8
150	-1.663	-1.666	34.469	27.746	32.510	37.166	1.20	33.3
160	-1.578	-1.582	34.473	27.746	32.508	37.162	0.31	33.2
170	-1.517	-1.521	34.480	27.750	32.509	37.162	1.05	32.9
180	-1.479	-1.483	34.483	27.751	32.509	37.160	0.57	32.7
190	-1.453	-1.458	34.485	27.752	32.509	37.160	0.45	32.6
200	-1.242	-1.247	34.496	27.754	32.505	37.148	0.41	32.5
210	-0.949	-0.955	34.521	27.763	32.505	37.139	1.53	31.8
220	-0.875	-0.881	34.526	27.765	32.504	37.136	0.44	31.7
230	-0.852	-0.859	34.532	27.769	32.507	37.138	1.09	31.3
240	-0.692	-0.700	34.543	27.771	32.504	37.131	0.58	31.2
250	-0.677	-0.685	34.543	27.770	32.503	37.129	-0.48	31.2
260	-0.598	-0.606	34.554	27.776	32.506	37.130	1.23	30.7
270	-0.551	-0.560	34.557	27.776	32.505	37.127	-0.10	30.7
280	-0.465	-0.474	34.564	27.778	32.504	37.124	0.57	30.6
290	-0.414	-0.424	34.570	27.780	32.505	37.123	0.80	30.4
300	-0.293	-0.304	34.580	27.783	32.504	37.118	0.62	30.3
325	-0.061	-0.073	34.603	27.790	32.504	37.111	0.77	29.8
350	0.141	0.127	34.621	27.793	32.501	37.103	0.47	29.6
375	0.263	0.248	34.636	27.799	32.503	37.101	0.71	29.2
400	0.341	0.324	34.644	27.801	32.503	37.099	0.39	29.1
425	0.370	0.352	34.646	27.801	32.502	37.097	-0.20	29.2
450	0.400	0.381	34.651	27.803	32.503	37.098	0.50	29.0
475	0.460	0.439	34.660	27.807	32.505	37.098	0.61	28.8
500	0.493	0.471	34.669	27.813	32.510	37.101	0.78	28.3
550	0.518	0.494	34.674	27.815	32.512	37.103	0.38	28.2
600	0.554	0.527	34.676	27.815	32.510	37.100	-0.24	28.3
650	0.560	0.530	34.680	27.818	32.513	37.103	0.43	28.1
700	0.536	0.504	34.683	27.822	32.518	37.109	0.53	27.8
750	0.518	0.483	34.684	27.824	32.521	37.112	0.39	27.6
800	0.497	0.460	34.684	27.825	32.523	37.115	0.35	27.5
850	0.472	0.432	34.682	27.825	32.524	37.116	0.21	27.5
900	0.440	0.398	34.681	27.827	32.526	37.119	0.36	27.3
950	0.401	0.356	34.681	27.829	32.530	37.124	0.47	27.0
1000	0.377	0.330	34.679	27.829	32.530	37.126	0.21	27.0
1100	0.345	0.292	34.678	27.830	32.533	37.129	0.28	26.9
1200	0.271	0.213	34.676	27.833	32.538	37.137	0.42	26.4
1300	0.229	0.166	34.674	27.834	32.540	37.141	0.30	26.2
1400	0.177	0.108	34.672	27.836	32.544	37.146	0.35	25.9
1500	0.139	0.064	34.671	27.837	32.546	37.150	0.33	25.7
1600	0.108	0.027	34.671	27.839	32.550	37.154	0.34	25.4
1700	0.065	-0.021	34.669	27.840	32.552	37.158	0.32	25.1
1800	-0.027	-0.119	34.663	27.840	32.555	37.164	0.41	24.6
1900	-0.266	-0.361	34.656	27.847	32.569	37.185	0.78	22.7
2000	-0.451	-0.550	34.643	27.845	32.573	37.194	0.54	21.8
2100	-0.472	-0.577	34.643	27.846	32.575	37.197	0.30	21.4
2200	-0.641	-0.750	34.634	27.847	32.581	37.208	0.60	20.2
2300	-0.704	-0.819	34.634	27.849	32.586	37.215	0.48	19.4
2400	-0.789	-0.909	34.632	27.852	32.591	37.223	0.51	18.4
2500	-0.857	-0.983	34.628	27.851	32.593	37.227	0.40	17.8
2570	-0.913	-1.043	34.626	27.852	32.595	37.231	0.49	17.2

PRES	TEMPER	POTEMP	SLINTY	OXYG
8	-1.880	-1.880	34.417	6.649
48	-1.875	-1.876	34.416	6.630
139	-1.726	-1.729	34.457	6.480
241	-0.692	-0.700	34.532	5.754
392	0.319	0.303	34.646	4.845
595	0.553	0.526	34.678	4.690
797	0.500	0.463	34.684	4.689
1000	0.377	0.330	34.680	4.783
1304	0.229	0.165	34.675	4.836
1709	0.061	-0.026	34.670	4.959
2115	-0.477	-0.583	34.640	5.603
2318	-0.720	-0.836	34.631	5.833
2420	-0.791	-0.912	34.628	5.987
2521	-0.863	-0.990	34.626	6.052
2572	-0.914	-1.044	34.623	6.132

# CAMP 68



### potential temperature



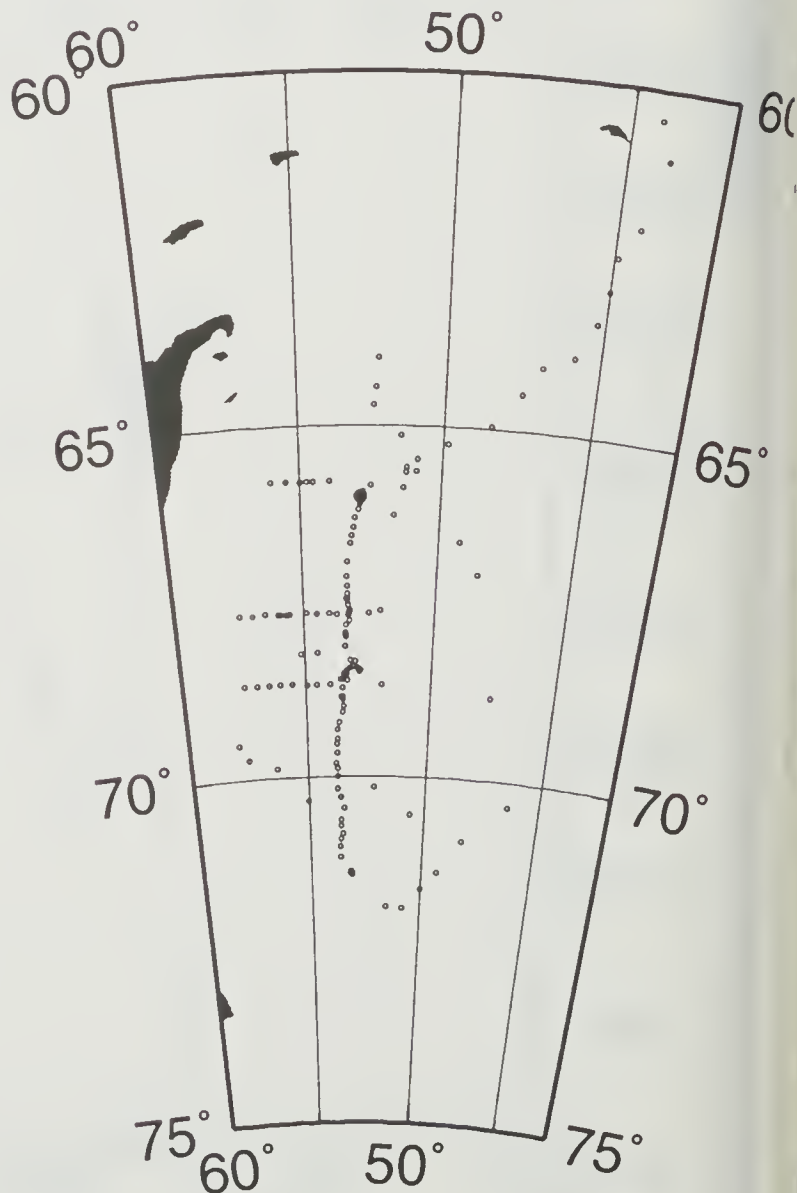
ISW-I -66.0025 -52.8410 92/06/01 153 18:13 CAMP STA# 69

bottom depth = 2599

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.837	-1.837	34.422	27.712	32.482	37.144	0.00	37.3
10	-1.882	-1.882	34.415	27.708	32.479	37.143	-1.19	37.7
20	-1.883	-1.883	34.415	27.708	32.479	37.143	0.10	37.6
30	-1.883	-1.884	34.416	27.708	32.480	37.144	0.51	37.5
40	-1.884	-1.885	34.417	27.709	32.481	37.145	0.51	37.3
50	-1.883	-1.884	34.415	27.708	32.479	37.143	-0.72	37.4
60	-1.882	-1.883	34.416	27.708	32.480	37.144	0.50	37.3
70	-1.881	-1.882	34.417	27.709	32.480	37.144	0.50	37.2
80	-1.881	-1.883	34.416	27.708	32.480	37.144	-0.50	37.2
90	-1.873	-1.875	34.418	27.710	32.481	37.144	0.66	37.0
100	-1.843	-1.845	34.426	27.716	32.486	37.148	1.33	36.4
110	-1.819	-1.821	34.430	27.718	32.487	37.149	0.89	36.1
120	-1.791	-1.793	34.437	27.723	32.491	37.152	1.23	35.6
130	-1.773	-1.776	34.440	27.725	32.493	37.153	0.77	35.3
140	-1.749	-1.752	34.445	27.729	32.495	37.155	1.02	35.0
150	-1.732	-1.735	34.451	27.733	32.499	37.158	1.16	34.5
160	-1.713	-1.716	34.456	27.736	32.502	37.160	1.04	34.1
170	-1.697	-1.701	34.457	27.737	32.502	37.160	0.30	34.0
180	-1.675	-1.679	34.459	27.738	32.502	37.159	0.52	33.9
190	-1.656	-1.660	34.462	27.740	32.504	37.160	0.75	33.7
200	-1.635	-1.640	34.461	27.738	32.501	37.157	-0.70	33.8
210	-1.595	-1.600	34.466	27.741	32.503	37.158	0.90	33.5
220	-1.511	-1.516	34.474	27.745	32.504	37.156	1.02	33.1
230	-1.400	-1.406	34.485	27.751	32.506	37.155	1.20	32.6
240	-1.274	-1.280	34.494	27.754	32.505	37.150	0.82	32.4
250	-1.133	-1.140	34.505	27.757	32.505	37.145	0.94	32.1
260	-1.084	-1.091	34.510	27.760	32.505	37.144	0.76	31.9
270	-0.967	-0.975	34.521	27.764	32.506	37.141	1.04	31.5
280	-0.858	-0.866	34.527	27.765	32.503	37.135	-0.35	31.5
290	-0.729	-0.738	34.546	27.775	32.509	37.137	1.67	30.6
300	-0.513	-0.523	34.565	27.781	32.509	37.130	1.11	30.2
325	-0.244	-0.256	34.584	27.783	32.503	37.116	0.12	30.2
350	0.013	-0.000	34.606	27.788	32.500	37.106	0.51	30.0
375	0.240	0.225	34.630	27.795	32.500	37.099	0.76	29.5
400	0.309	0.292	34.637	27.797	32.500	37.097	0.36	29.5
425	0.369	0.351	34.644	27.799	32.500	37.096	0.44	29.3
450	0.433	0.414	34.652	27.802	32.501	37.095	0.50	29.2
475	0.485	0.464	34.660	27.806	32.503	37.095	0.59	28.9
500	0.506	0.484	34.663	27.807	32.504	37.095	0.34	28.9
550	0.538	0.513	34.668	27.809	32.505	37.096	0.33	28.8
600	0.561	0.534	34.670	27.810	32.505	37.095	0.05	28.8
650	0.569	0.539	34.675	27.813	32.509	37.098	0.47	28.6
700	0.566	0.534	34.678	27.816	32.511	37.101	0.42	28.4
750	0.543	0.508	34.680	27.819	32.515	37.106	0.48	28.1
800	0.513	0.476	34.680	27.821	32.518	37.110	0.41	27.9
850	0.474	0.434	34.680	27.824	32.522	37.114	0.46	27.6
900	0.451	0.409	34.678	27.824	32.523	37.116	0.19	27.6
950	0.446	0.401	34.677	27.823	32.522	37.116	-0.09	27.7
1000	0.425	0.377	34.676	27.824	32.524	37.118	0.28	27.6
1100	0.341	0.288	34.674	27.827	32.530	37.127	0.44	27.1
1200	0.279	0.221	34.672	27.829	32.534	37.133	0.37	26.8
1300	0.235	0.172	34.671	27.831	32.537	37.138	0.34	26.5
1400	0.181	0.112	34.669	27.833	32.541	37.143	0.35	26.2
1500	0.111	0.037	34.664	27.833	32.543	37.147	0.32	25.9
1600	0.068	-0.012	34.664	27.836	32.547	37.153	0.39	25.5
1700	-0.169	-0.252	34.655	27.841	32.559	37.172	0.72	23.9
1800	-0.402	-0.488	34.641	27.841	32.567	37.186	0.62	22.7
1900	-0.442	-0.534	34.639	27.841	32.569	37.190	0.31	22.3
2000	-0.580	-0.676	34.634	27.843	32.575	37.201	0.58	21.2
2100	-0.733	-0.834	34.629	27.846	32.583	37.213	0.62	19.9
2200	-0.778	-0.884	34.627	27.847	32.585	37.216	0.34	19.4
2300	-0.887	-0.998	34.624	27.849	32.590	37.225	0.55	18.3
2400	-0.892	-1.010	34.624	27.849	32.591	37.227	0.20	18.0
2500	-0.932	-1.056	34.624	27.851	32.594	37.231	0.40	17.3
2600	-0.951	-1.082	34.623	27.851	32.595	37.233	0.26	16.9
2640	-0.952	-1.086	34.624	27.852	32.597	37.234	0.31	16.7

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.882	-1.882	34.421	
43	-1.883	-1.884	34.417	
83	-1.879	-1.881	34.418	
165	-1.711	-1.715	34.454	
266	-1.015	-1.023	34.507	
367	0.198	0.183	34.597	
569	0.551	0.525	34.670	
772	0.525	0.489	34.684	
1075	0.345	0.294	34.678	
1380	0.187	0.119	34.671	
1786	-0.395	-0.481	34.645	
2091	-0.709	-0.809	34.629	
2346	-0.885	-1.000	34.624	
2550	-0.919	-1.047	34.622	
2637	-0.947	-1.081	34.622	

# CAMP 69



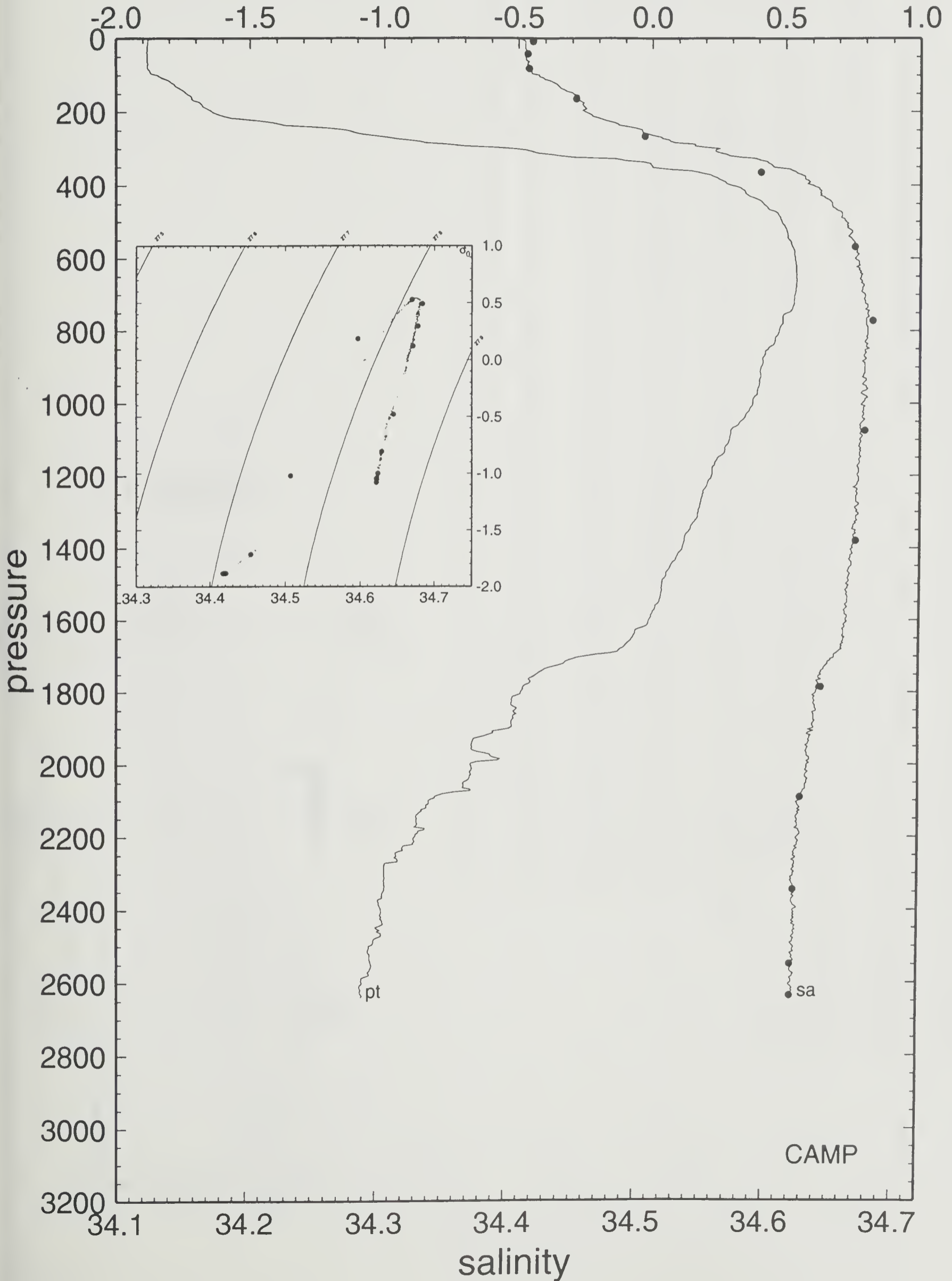
69

92/06/01 18:13

66 0.15 S 52 50.46 W

CAMP

### potential temperature



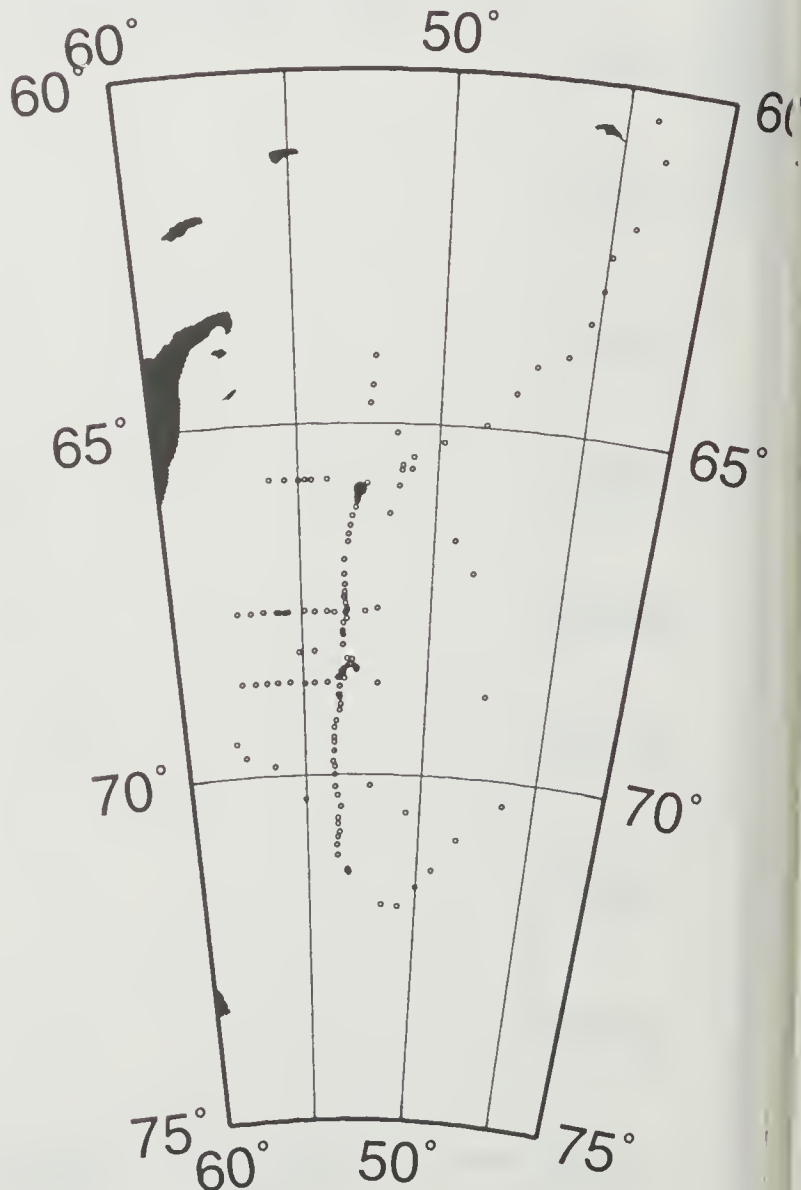
ISW-I -65.9300 -52.7540 92/06/03 155 19:19 CAMP STA# 70

bottom depth = 2171

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.871	-1.871	34.413	27.706	32.477	37.140	0.00	37.9
10	-1.878	-1.878	34.419	27.711	32.482	37.146	1.26	37.4
20	-1.877	-1.877	34.418	27.710	32.481	37.145	-0.51	37.4
30	-1.876	-1.877	34.417	27.709	32.480	37.144	-0.51	37.4
40	-1.876	-1.877	34.419	27.711	32.482	37.145	0.71	37.2
50	-1.875	-1.876	34.418	27.710	32.481	37.145	-0.51	37.2
60	-1.875	-1.876	34.419	27.711	32.482	37.145	0.51	37.1
70	-1.873	-1.874	34.421	27.712	32.483	37.147	0.70	36.9
80	-1.869	-1.871	34.420	27.711	32.482	37.146	-0.54	36.9
90	-1.863	-1.865	34.421	27.712	32.483	37.146	0.45	36.8
100	-1.834	-1.836	34.427	27.716	32.486	37.148	1.12	36.3
110	-1.777	-1.779	34.434	27.720	32.488	37.149	1.11	35.9
120	-1.738	-1.741	34.445	27.728	32.495	37.154	1.55	35.1
130	-1.720	-1.723	34.452	27.733	32.499	37.158	1.26	34.6
140	-1.718	-1.721	34.451	27.733	32.498	37.157	-0.52	34.6
150	-1.702	-1.705	34.454	27.735	32.500	37.158	0.77	34.4
160	-1.681	-1.684	34.460	27.739	32.503	37.161	1.14	33.9
170	-1.668	-1.672	34.461	27.739	32.503	37.160	0.34	33.8
180	-1.649	-1.653	34.463	27.740	32.504	37.160	0.55	33.7
190	-1.616	-1.620	34.465	27.741	32.504	37.159	0.38	33.6
200	-1.468	-1.473	34.473	27.743	32.501	37.152	0.57	33.4
210	-1.314	-1.319	34.486	27.748	32.501	37.147	1.18	33.0
220	-1.179	-1.185	34.495	27.751	32.500	37.141	0.72	32.8
230	-1.123	-1.129	34.503	27.755	32.502	37.142	1.13	32.3
240	-1.020	-1.027	34.510	27.757	32.501	37.138	0.58	32.2
250	-0.931	-0.938	34.519	27.761	32.502	37.136	0.99	31.9
260	-0.729	-0.737	34.533	27.764	32.499	37.127	0.68	31.7
270	-0.678	-0.687	34.542	27.769	32.502	37.129	1.21	31.2
280	-0.602	-0.611	34.548	27.771	32.502	37.126	0.53	31.1
290	-0.379	-0.389	34.562	27.772	32.496	37.113	-0.50	31.2
300	-0.258	-0.269	34.575	27.777	32.497	37.111	1.06	30.8
325	-0.088	-0.100	34.595	27.785	32.499	37.108	0.87	30.2
350	0.097	0.083	34.612	27.789	32.498	37.101	0.52	30.0
375	0.172	0.157	34.622	27.793	32.500	37.101	0.64	29.7
400	0.300	0.283	34.636	27.797	32.500	37.097	0.58	29.5
425	0.334	0.316	34.640	27.798	32.500	37.097	0.34	29.4
450	0.375	0.356	34.645	27.800	32.501	37.096	0.39	29.3
475	0.428	0.408	34.652	27.803	32.502	37.095	0.49	29.1
500	0.480	0.458	34.658	27.805	32.502	37.094	0.37	29.1
550	0.516	0.492	34.665	27.808	32.505	37.096	0.44	28.8
600	0.552	0.525	34.668	27.809	32.504	37.094	-0.10	28.9
650	0.568	0.538	34.675	27.813	32.509	37.098	0.53	28.5
700	0.553	0.521	34.678	27.817	32.513	37.103	0.49	28.3
750	0.536	0.501	34.679	27.819	32.515	37.106	0.39	28.1
800	0.513	0.476	34.679	27.820	32.517	37.109	0.36	28.0
850	0.479	0.439	34.680	27.823	32.521	37.114	0.49	27.7
900	0.461	0.419	34.678	27.823	32.522	37.115	0.09	27.7
950	0.451	0.406	34.676	27.822	32.521	37.115	-0.18	27.8
1000	0.409	0.361	34.673	27.822	32.523	37.117	0.30	27.7
1100	0.336	0.283	34.674	27.828	32.530	37.127	0.49	27.1
1200	0.252	0.194	34.671	27.830	32.535	37.135	0.42	26.6
1300	0.205	0.142	34.671	27.833	32.540	37.141	0.39	26.3
1400	0.163	0.094	34.666	27.832	32.540	37.142	0.13	26.3
1500	0.080	0.006	34.665	27.836	32.547	37.152	0.49	25.6
1600	-0.042	-0.121	34.659	27.837	32.552	37.161	0.49	24.9
1700	-0.432	-0.512	34.643	27.843	32.570	37.190	0.89	22.4
1800	-0.573	-0.657	34.636	27.844	32.575	37.200	0.52	21.5
1900	-0.740	-0.828	34.630	27.847	32.583	37.213	0.61	20.2
2000	-0.812	-0.905	34.628	27.848	32.587	37.219	0.44	19.5
2100	-0.842	-0.941	34.626	27.848	32.588	37.221	0.25	19.1
2200	-0.894	-0.998	34.626	27.850	32.592	37.227	0.43	18.3
2210	-0.920	-1.025	34.625	27.850	32.593	37.229	0.78	18.1

PRES	TEMPER	POTEMP	SLINTY	OXYG
8	-1.878	-1.878	34.419	
49	-1.875	-1.876	34.423	
99	-1.839	-1.841	34.428	
301	-0.253	-0.264	34.575	
604	0.553	0.526	34.673	
2023	-0.818	-0.912	34.630	
2166	-0.874	-0.977	34.625	
2212	-0.927	-1.032	34.630	

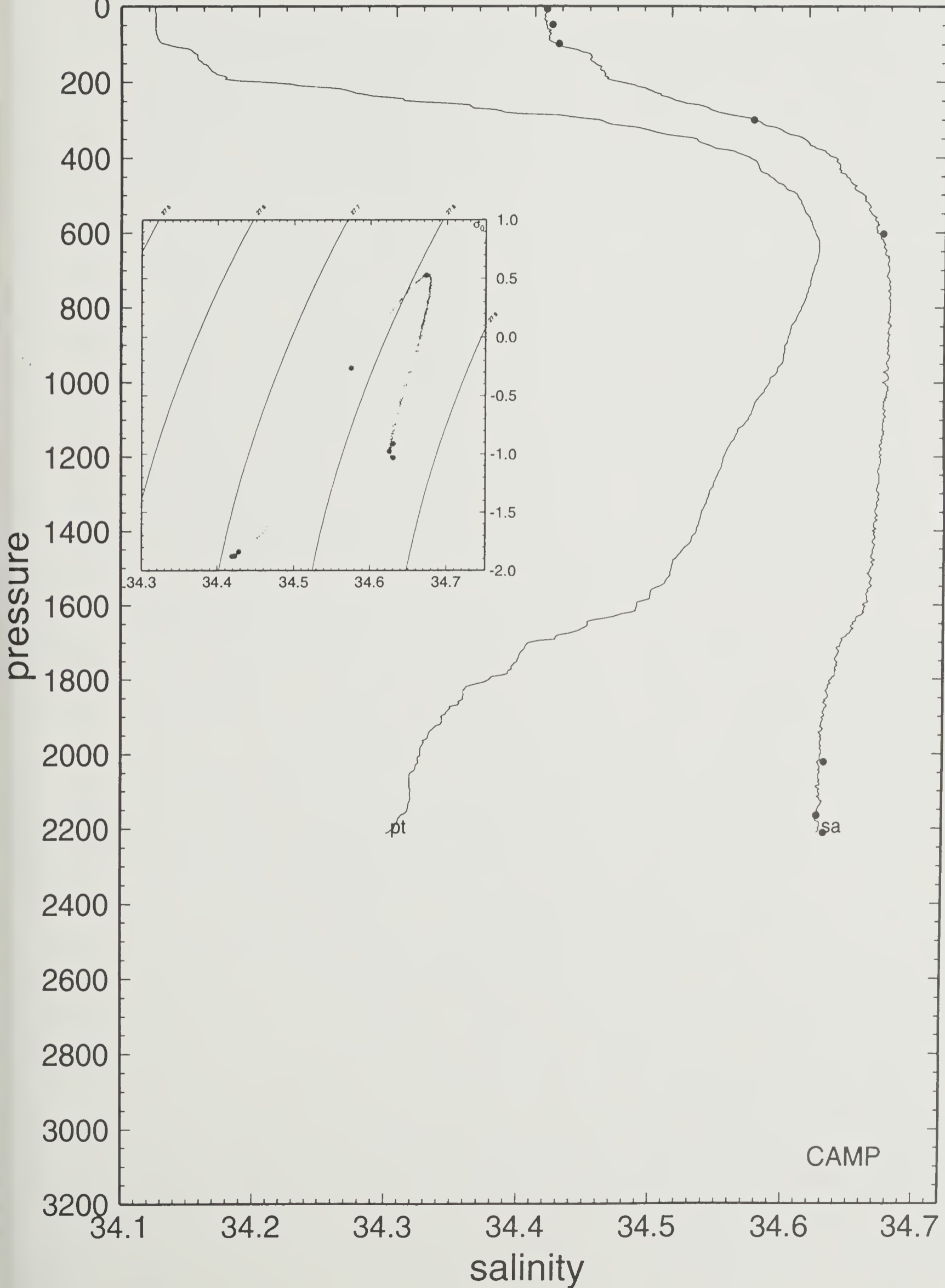
# CAMP 70



70 92/06/03 19:19 65 55.80 S 52 45.24 W CAMP

### potential temperature

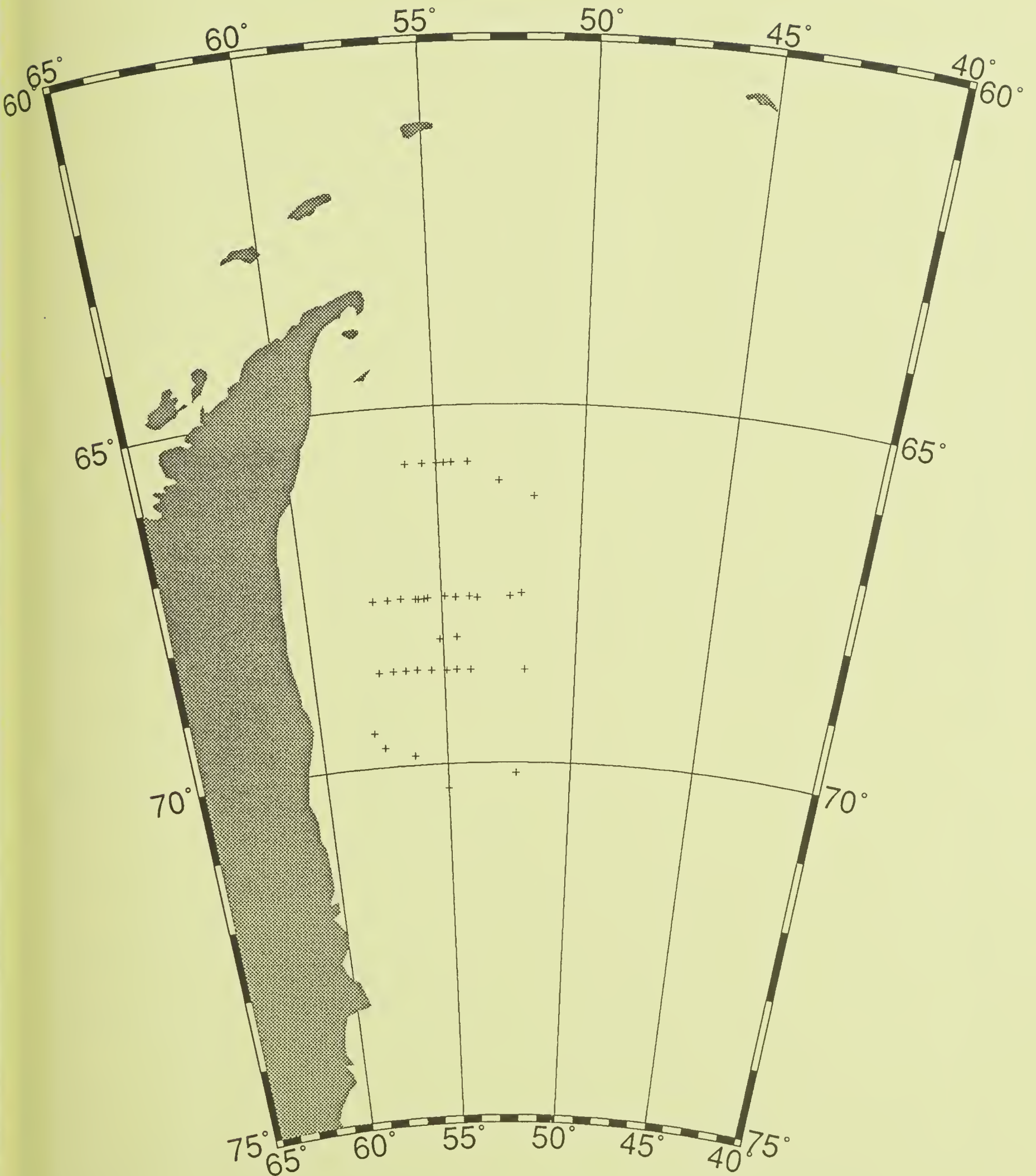
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# Helicopter





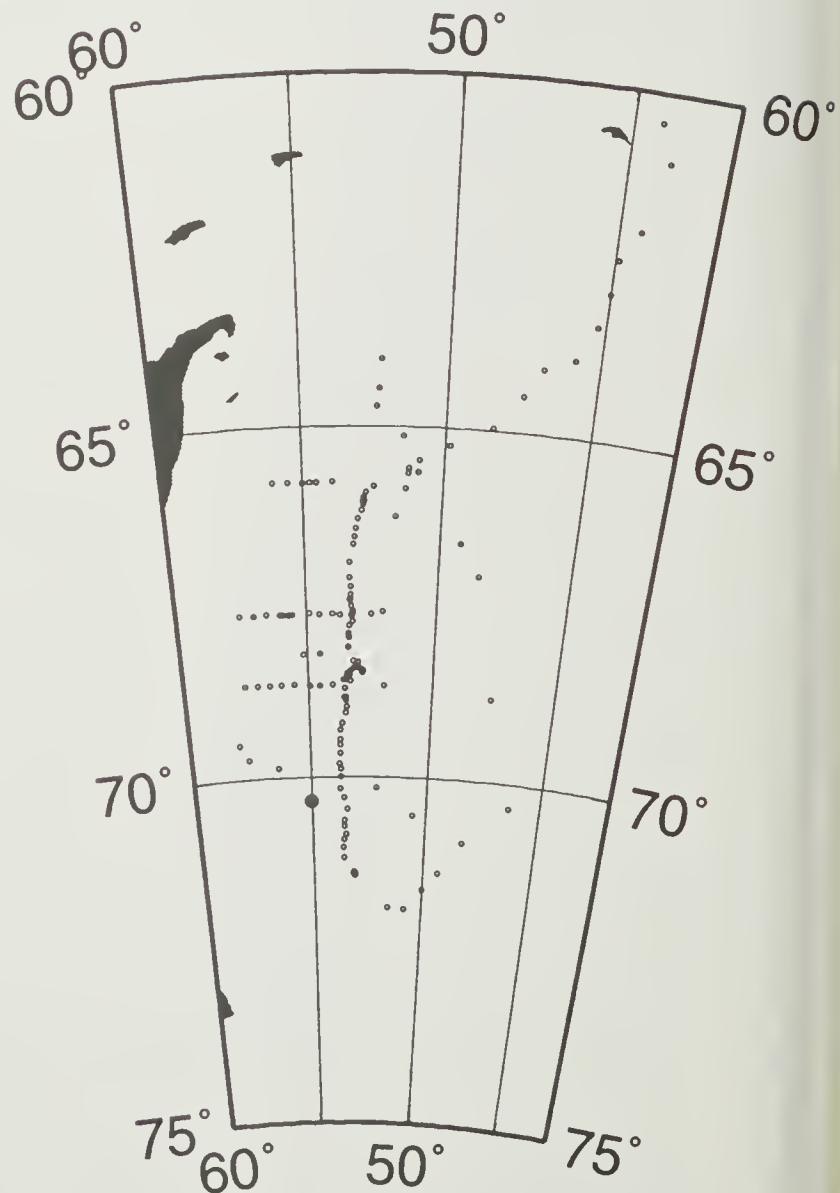


ISW-I -70.3450 -55.0377 92/03/18 78 16:15 HELO STA# 1

bottom depth =

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.872	-1.872	34.194	27.528	32.300	36.966	0.00	54.8
10	-1.872	-1.872	34.193	27.527	32.300	36.965	-0.50	54.8
20	-1.871	-1.871	34.190	27.524	32.297	36.963	-0.88	55.0
30	-1.871	-1.872	34.192	27.526	32.299	36.964	0.71	54.7
40	-1.861	-1.862	34.202	27.534	32.306	36.971	1.57	53.9
50	-1.799	-1.800	34.335	27.640	32.410	37.072	5.77	43.8
60	-1.794	-1.795	34.375	27.673	32.442	37.103	3.18	40.7
70	-1.786	-1.787	34.382	27.678	32.447	37.108	1.31	40.1
80	-1.781	-1.783	34.382	27.678	32.447	37.108	-0.21	40.1
90	-1.774	-1.776	34.389	27.684	32.452	37.113	1.31	39.5
100	-1.758	-1.760	34.396	27.689	32.456	37.117	1.28	38.9
110	-1.742	-1.744	34.401	27.693	32.460	37.119	1.06	38.5
120	-1.726	-1.729	34.405	27.695	32.462	37.121	0.93	38.2
130	-1.706	-1.709	34.413	27.701	32.467	37.126	1.35	37.6
140	-1.677	-1.680	34.418	27.705	32.469	37.127	0.99	37.3
150	-1.667	-1.670	34.427	27.712	32.476	37.133	1.48	36.5
160	-1.658	-1.662	34.428	27.712	32.476	37.133	0.40	36.4
170	-1.634	-1.638	34.434	27.716	32.480	37.136	1.13	36.0
180	-1.628	-1.632	34.440	27.721	32.484	37.140	1.21	35.5
190	-1.651	-1.655	34.439	27.721	32.485	37.141	0.04	35.5
200	-1.661	-1.665	34.447	27.728	32.492	37.149	1.46	34.7
210	-1.612	-1.617	34.456	27.734	32.496	37.151	1.32	34.2
220	-1.600	-1.605	34.455	27.732	32.495	37.149	-0.62	34.2
230	-1.589	-1.594	34.464	27.739	32.501	37.156	1.47	33.5
240	-1.580	-1.586	34.467	27.742	32.503	37.157	0.81	33.3
250	-1.570	-1.576	34.469	27.743	32.504	37.158	0.63	33.1
260	-1.298	-1.305	34.498	27.758	32.510	37.155	1.98	31.9
270	-1.076	-1.084	34.505	27.755	32.501	37.140	-1.13	32.2
280	-0.923	-0.931	34.512	27.755	32.496	37.130	-0.69	32.3
290	-0.799	-0.808	34.542	27.775	32.511	37.141	2.38	30.6
300	-0.493	-0.503	34.549	27.767	32.494	37.115	-1.80	31.6
325	-0.171	-0.183	34.581	27.777	32.495	37.106	0.96	30.8
350	0.070	0.056	34.603	27.783	32.493	37.097	0.60	30.5
375	0.206	0.191	34.618	27.788	32.493	37.094	0.64	30.2
400	0.261	0.245	34.627	27.792	32.496	37.094	0.67	29.9
425	0.358	0.340	34.638	27.795	32.497	37.092	0.53	29.7
450	0.379	0.360	34.640	27.796	32.496	37.091	0.16	29.7
475	0.389	0.369	34.646	27.800	32.501	37.095	0.72	29.3
500	0.433	0.411	34.651	27.802	32.501	37.094	0.34	29.3
550	0.543	0.518	34.665	27.807	32.502	37.093	0.45	29.0
600	0.572	0.545	34.670	27.809	32.504	37.094	0.35	28.9
650	0.597	0.567	34.673	27.810	32.504	37.093	0.20	28.9
700	0.608	0.575	34.678	27.814	32.508	37.096	0.46	28.7
750	0.595	0.560	34.679	27.815	32.510	37.099	0.36	28.5
800	0.571	0.533	34.681	27.819	32.514	37.104	0.49	28.3
850	0.544	0.504	34.680	27.820	32.516	37.106	0.32	28.2
900	0.504	0.461	34.679	27.821	32.519	37.110	0.42	28.0
950	0.470	0.425	34.679	27.823	32.522	37.115	0.44	27.7
1000	0.441	0.393	34.677	27.824	32.523	37.117	0.27	27.7
1100	0.388	0.335	34.677	27.827	32.528	37.124	0.40	27.3
1130	0.382	0.327	34.678	27.828	32.530	37.125	0.39	27.2

# HELO 1



1

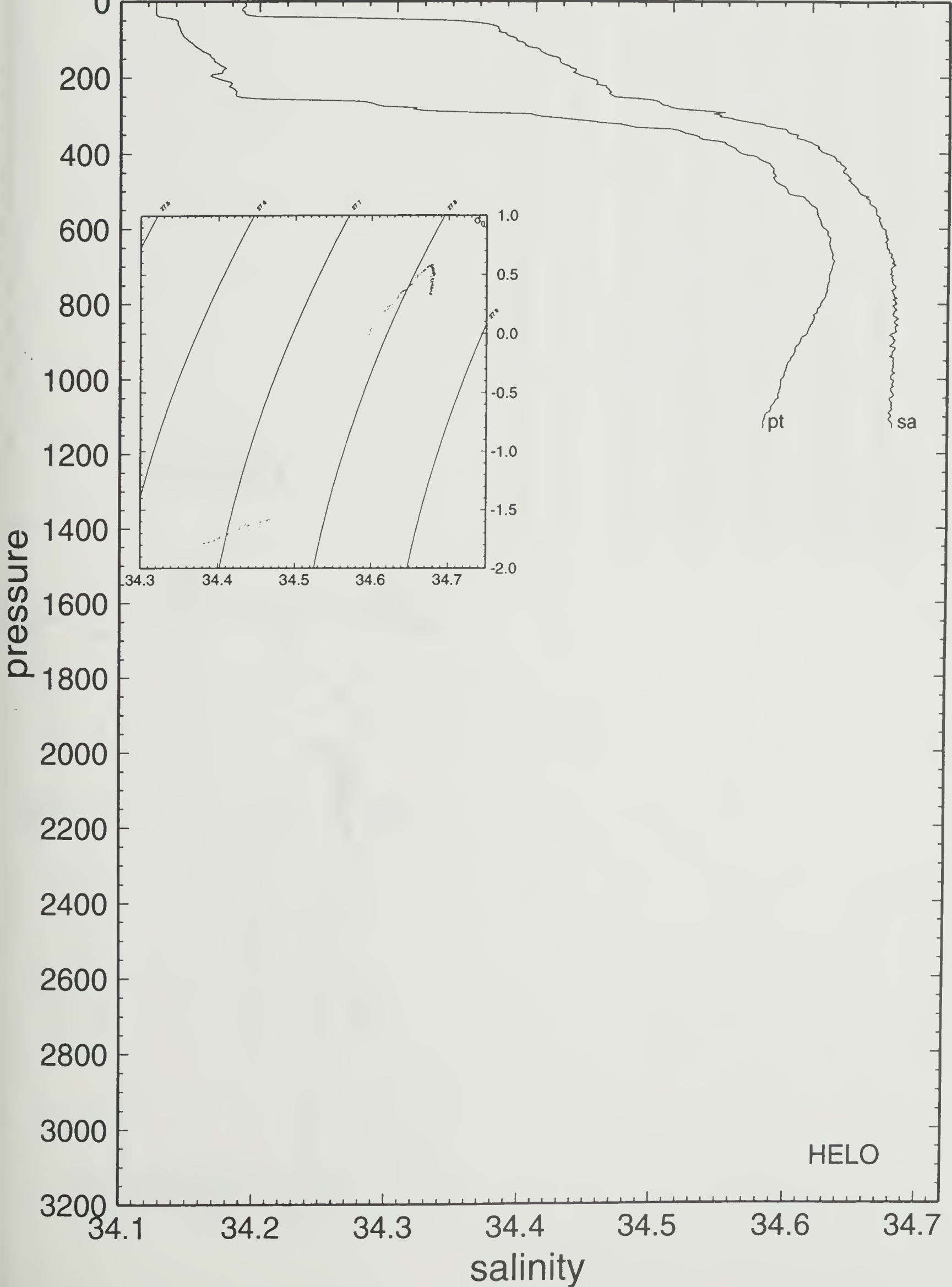
92/03/18 16:15

70 20.70 S 55 2.26 W

HELO

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0

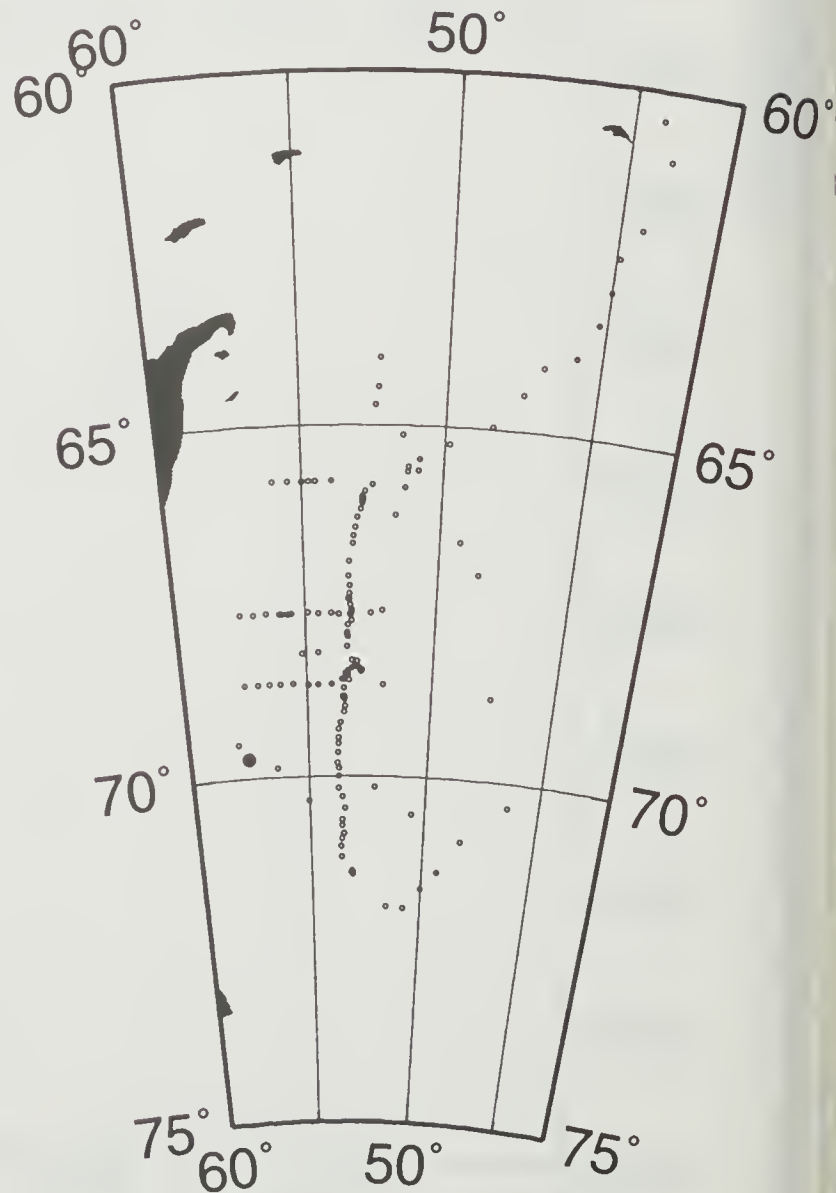


ISW-I -69.7288 -57.5070 92/03/21 78 17:13 HELO STA# 2

bottom depth = 546

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.884	-1.884	34.387	27.685	32.456	37.121	0.00	39.9
10	-1.888	-1.888	34.385	27.683	32.455	37.119	-0.69	40.0
20	-1.886	-1.886	34.381	27.680	32.452	37.116	-1.02	40.2
30	-1.886	-1.887	34.382	27.681	32.453	37.117	0.51	40.1
40	-1.886	-1.887	34.383	27.682	32.453	37.118	0.51	39.9
50	-1.887	-1.888	34.383	27.682	32.453	37.118	0.10	39.9
60	-1.887	-1.888	34.383	27.682	32.453	37.118	0.04	39.8
70	-1.885	-1.886	34.382	27.681	32.453	37.117	-0.52	39.8
80	-1.884	-1.886	34.387	27.685	32.457	37.121	1.12	39.4
90	-1.881	-1.883	34.390	27.687	32.459	37.123	0.86	39.1
100	-1.880	-1.882	34.389	27.686	32.458	37.122	-0.51	39.1
110	-1.877	-1.879	34.393	27.690	32.461	37.125	1.00	38.8
120	-1.862	-1.864	34.403	27.697	32.468	37.132	1.55	38.0
130	-1.817	-1.820	34.425	27.714	32.483	37.145	2.27	36.3
140	-1.753	-1.756	34.457	27.738	32.505	37.165	2.74	34.0
150	-1.720	-1.723	34.468	27.746	32.512	37.171	1.57	33.2
160	-1.727	-1.730	34.484	27.760	32.525	37.184	2.03	31.9
170	-1.697	-1.701	34.495	27.768	32.533	37.190	1.57	31.1
180	-1.693	-1.697	34.501	27.772	32.537	37.194	1.22	30.6
190	-1.684	-1.688	34.503	27.774	32.538	37.195	0.64	30.4
200	-1.681	-1.685	34.509	27.779	32.543	37.200	1.22	29.9
210	-1.630	-1.635	34.516	27.783	32.545	37.201	1.10	29.5
220	-1.604	-1.609	34.520	27.785	32.547	37.202	0.85	29.2
230	-1.589	-1.594	34.523	27.787	32.549	37.203	0.77	29.0
240	-1.585	-1.591	34.524	27.788	32.549	37.203	0.46	28.9
250	-1.598	-1.604	34.526	27.790	32.552	37.206	0.81	28.7
260	-1.602	-1.608	34.530	27.793	32.555	37.209	1.03	28.3
270	-1.584	-1.590	34.535	27.797	32.558	37.212	1.03	27.9
280	-1.616	-1.623	34.539	27.801	32.563	37.218	1.19	27.4
290	-1.535	-1.542	34.548	27.806	32.565	37.218	1.13	27.0
300	-1.402	-1.410	34.549	27.803	32.558	37.206	-1.21	27.4
325	-1.785	-1.792	34.550	27.815	32.582	37.242	1.42	25.7
350	-1.809	-1.817	34.559	27.823	32.591	37.251	1.01	24.8
375	-1.805	-1.814	34.572	27.833	32.601	37.262	1.14	23.7
400	-1.848	-1.857	34.577	27.839	32.608	37.269	0.85	23.0
425	-1.862	-1.872	34.592	27.851	32.621	37.283	1.26	21.7
450	-1.837	-1.848	34.612	27.867	32.635	37.296	1.38	20.1
475	-1.826	-1.837	34.638	27.888	32.656	37.316	1.60	18.0
500	-1.865	-1.877	34.694	27.934	32.703	37.364	2.42	13.5
540	-1.871	-1.884	34.718	27.954	32.723	37.384	1.24	11.4

# HELO 2



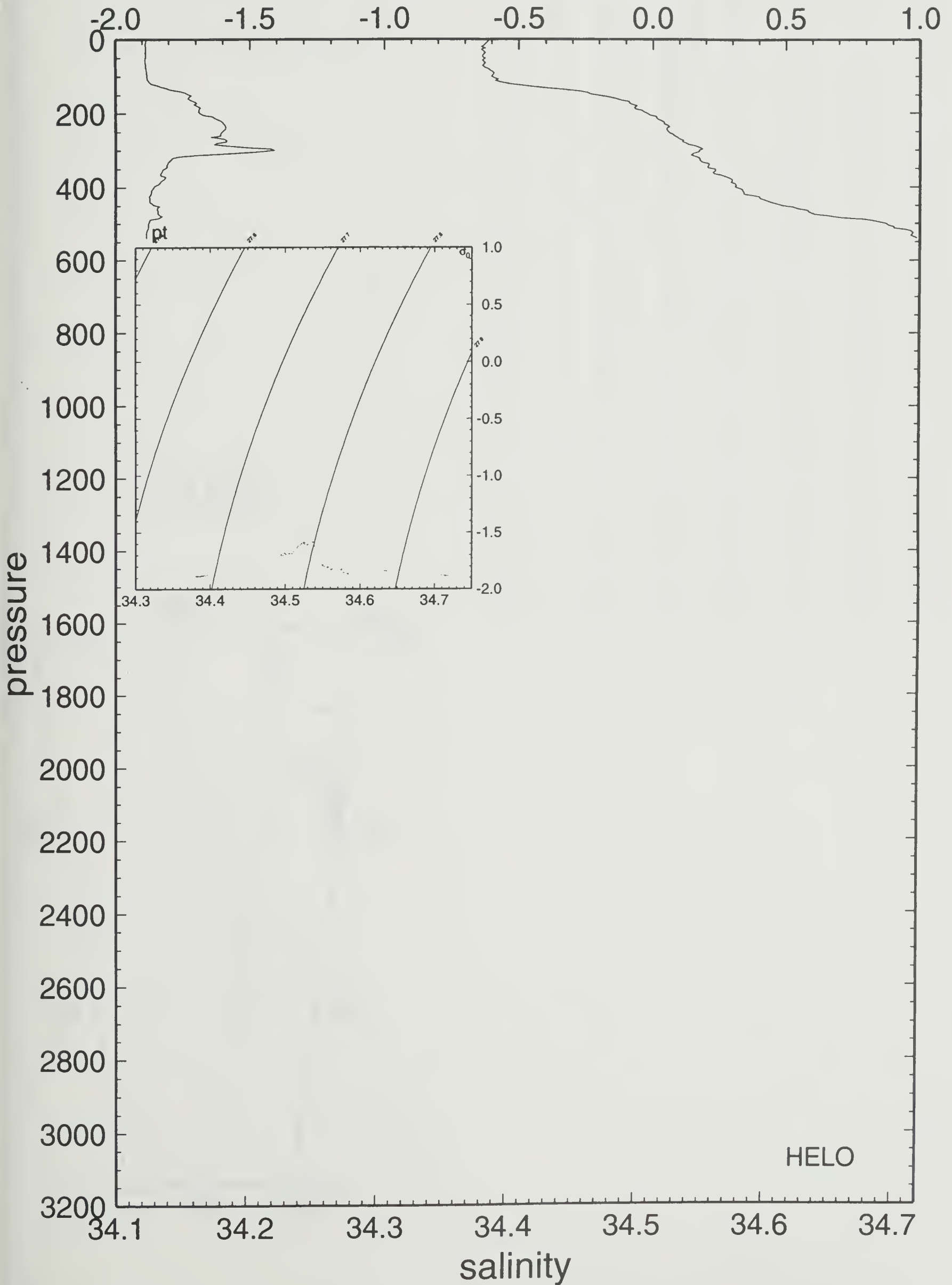
2

92/03/21 17:13

69 43.73 S 57 30.42 W

HELO

### potential temperature

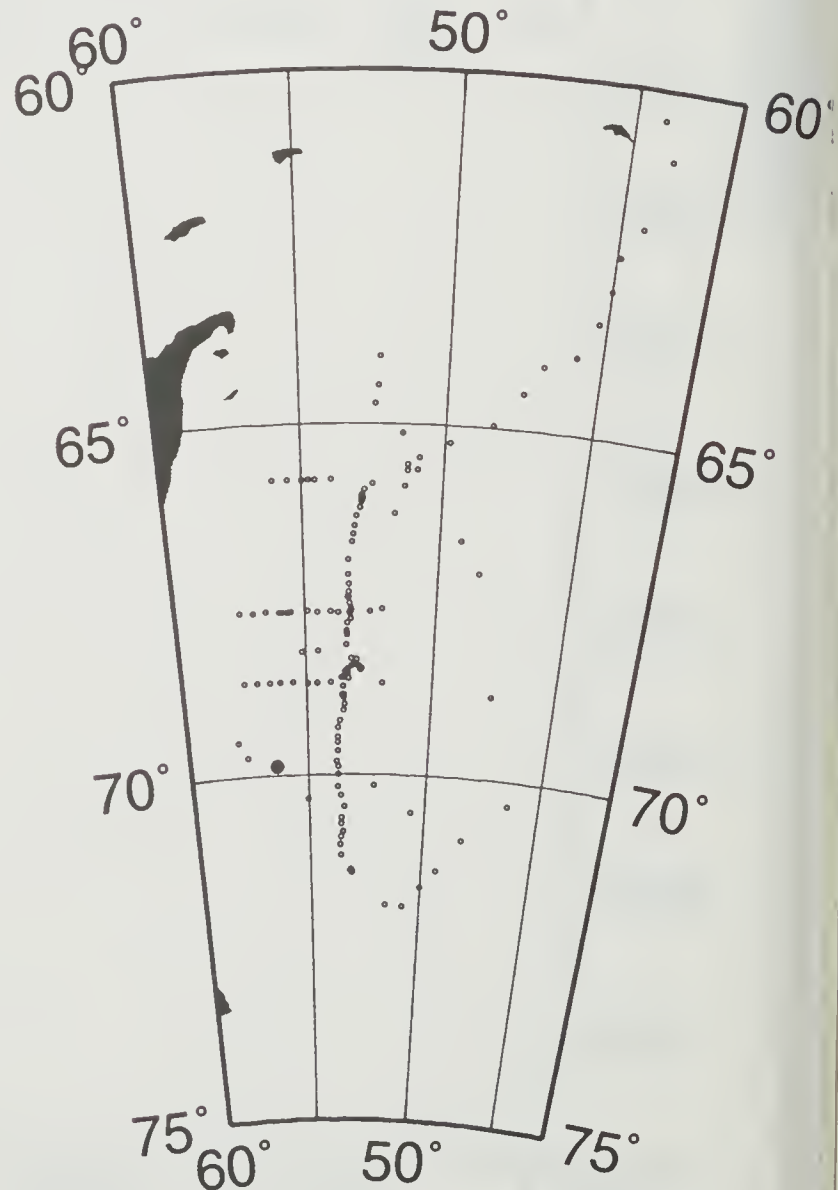


ISW-I -69.8692 -56.3318 92/03/21 78 18:55 HELO STA# 3

bottom depth = 692

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.844	-1.844	34.299	27.612	32.383	37.047	0.00	46.8
10	-1.859	-1.859	34.286	27.602	32.374	37.038	-1.79	47.7
20	-1.857	-1.857	34.286	27.602	32.374	37.038	-0.12	47.6
30	-1.856	-1.857	34.290	27.605	32.377	37.041	1.01	47.2
40	-1.851	-1.852	34.337	27.643	32.414	37.078	3.45	43.6
50	-1.829	-1.830	34.382	27.679	32.449	37.112	3.36	40.1
60	-1.823	-1.824	34.393	27.688	32.458	37.120	1.66	39.2
70	-1.819	-1.820	34.398	27.692	32.462	37.124	1.11	38.8
80	-1.818	-1.820	34.397	27.691	32.461	37.123	-0.51	38.8
90	-1.807	-1.809	34.406	27.698	32.467	37.129	1.48	38.1
100	-1.792	-1.794	34.412	27.703	32.471	37.132	1.18	37.6
110	-1.788	-1.790	34.416	27.706	32.474	37.135	0.99	37.2
120	-1.784	-1.786	34.417	27.707	32.475	37.136	0.47	37.1
130	-1.784	-1.787	34.418	27.708	32.476	37.137	0.51	37.0
140	-1.777	-1.780	34.424	27.712	32.480	37.141	1.21	36.5
150	-1.763	-1.766	34.426	27.713	32.481	37.141	0.61	36.3
160	-1.756	-1.759	34.425	27.712	32.480	37.140	-0.57	36.4
170	-1.740	-1.744	34.431	27.717	32.484	37.143	1.17	35.9
180	-1.725	-1.729	34.435	27.720	32.486	37.145	0.93	35.6
190	-1.699	-1.703	34.435	27.719	32.484	37.143	-0.52	35.6
200	-1.654	-1.658	34.441	27.723	32.487	37.143	1.02	35.2
210	-1.612	-1.617	34.449	27.728	32.490	37.146	1.25	34.7
220	-1.577	-1.582	34.450	27.728	32.489	37.143	-0.38	34.7
230	-1.543	-1.548	34.459	27.734	32.494	37.147	1.37	34.1
240	-1.478	-1.484	34.463	27.735	32.493	37.145	0.48	34.0
250	-1.467	-1.473	34.464	27.736	32.494	37.144	0.35	33.9
260	-1.426	-1.433	34.477	27.745	32.501	37.151	1.67	33.0
270	-1.392	-1.399	34.473	27.741	32.496	37.145	-1.20	33.4
280	-1.393	-1.400	34.476	27.743	32.499	37.147	0.88	33.1
290	-1.353	-1.361	34.486	27.750	32.504	37.151	1.42	32.4
300	-1.324	-1.332	34.491	27.753	32.506	37.152	0.94	32.1
325	-1.186	-1.195	34.513	27.766	32.515	37.157	1.21	30.9
350	-1.046	-1.056	34.549	27.790	32.534	37.172	1.68	28.7
375	-0.491	-0.504	34.601	27.809	32.536	37.156	1.26	27.5
400	-0.432	-0.446	34.611	27.814	32.539	37.158	0.77	27.0
425	-0.312	-0.327	34.627	27.822	32.543	37.158	0.85	26.4
450	-0.203	-0.220	34.638	27.825	32.543	37.155	0.52	26.2
475	-0.249	-0.267	34.638	27.828	32.547	37.160	0.61	25.9
500	-0.305	-0.324	34.637	27.830	32.551	37.166	0.59	25.6
550	-0.513	-0.533	34.625	27.830	32.557	37.178	0.47	25.2
600	-0.940	-0.960	34.613	27.838	32.579	37.213	1.00	23.6
650	-1.031	-1.052	34.611	27.840	32.584	37.220	0.49	23.1
700	-1.039	-1.062	34.612	27.841	32.585	37.222	0.29	22.8
705	-1.040	-1.063	34.612	27.841	32.585	37.222	0.21	22.8

# HELO 3





3

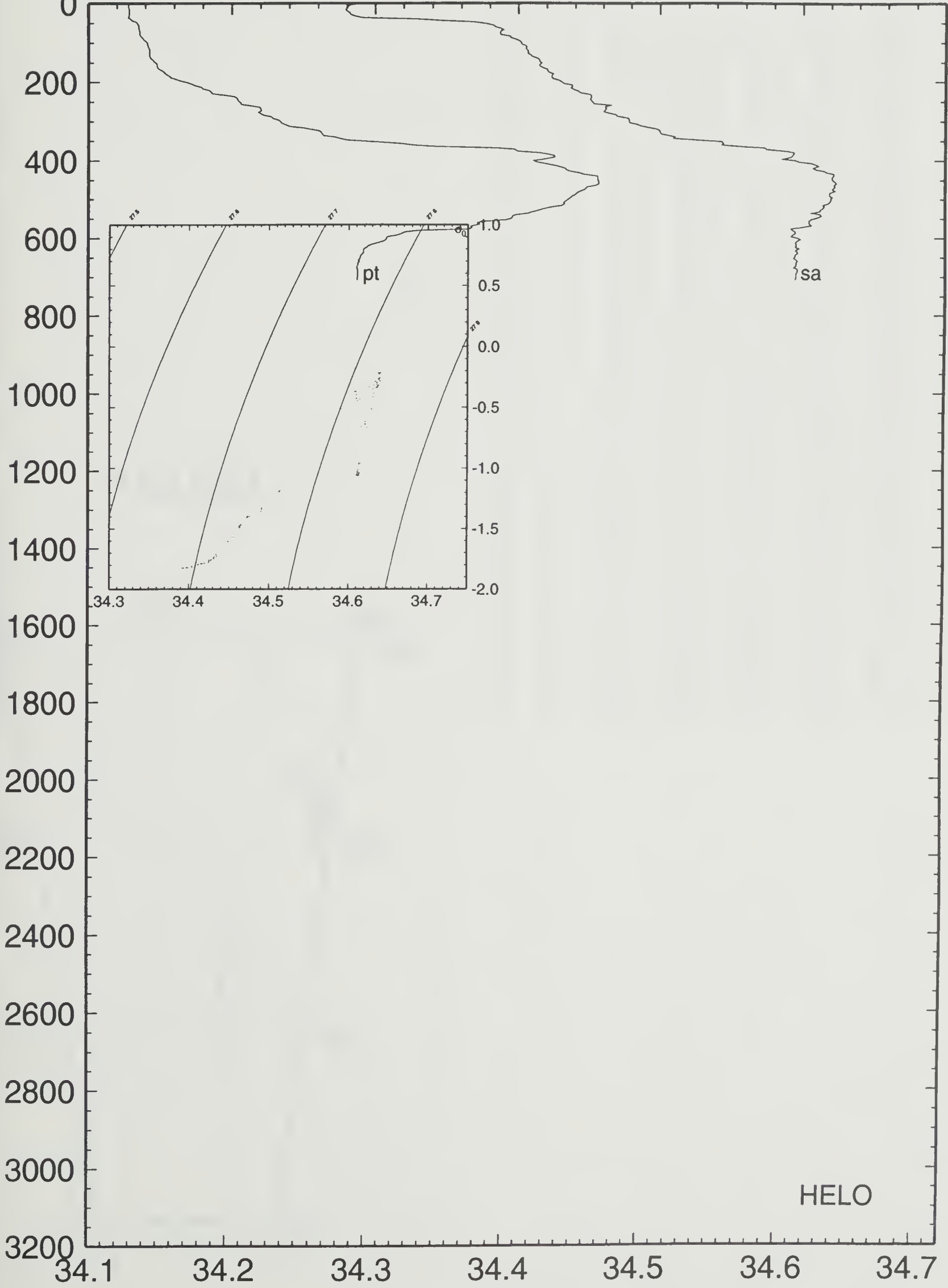
92/03/21 18:55

69 52.15 S 56 19.91 W

HELO

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



pressure

salinity

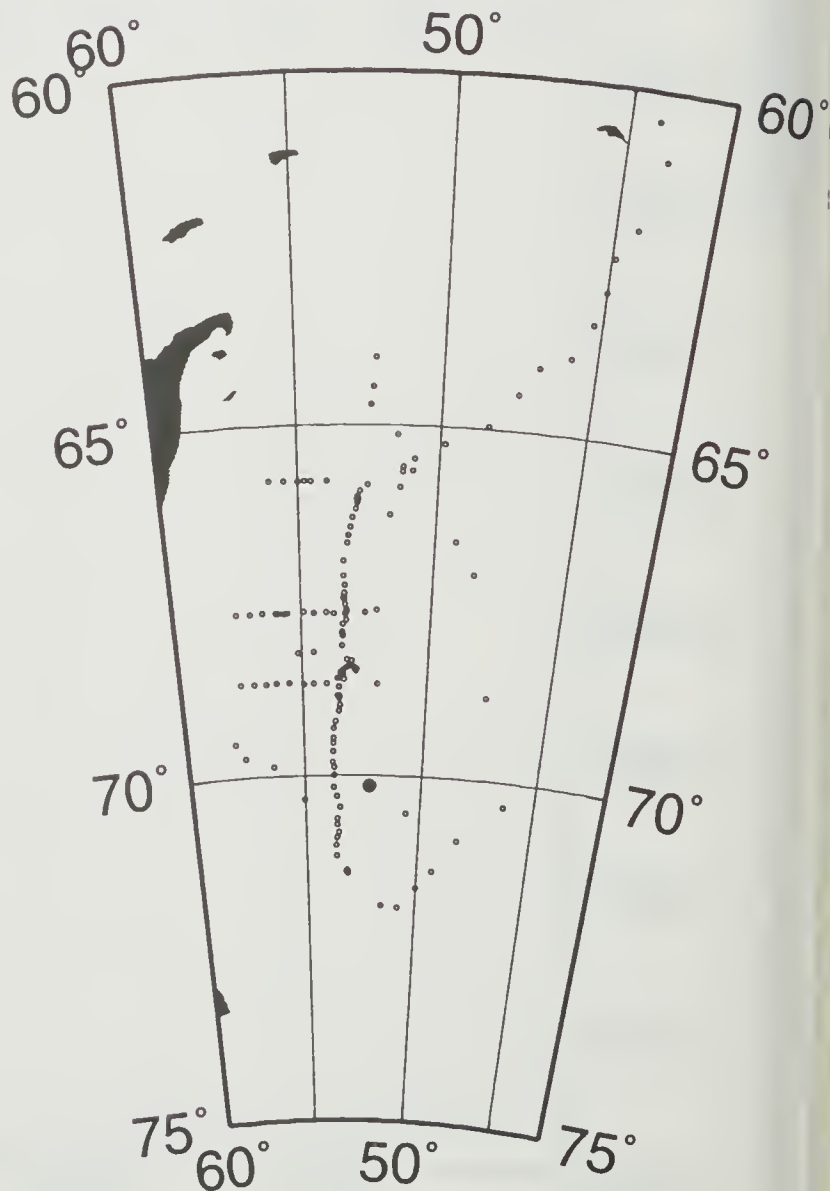
HELO

ISW-I -70.1428 -52.2313 92/03/22 82 16:14 HELO STA# 4

bottom depth =

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.857	-1.857	34.092	27.444	32.218	36.883	0.00	62.7
10	-1.861	-1.861	34.103	27.453	32.227	36.893	1.68	61.8
20	-1.861	-1.861	34.119	27.466	32.240	36.905	2.02	60.5
30	-1.830	-1.831	34.199	27.531	32.302	36.966	4.48	54.3
40	-1.740	-1.741	34.448	27.731	32.497	37.156	7.91	35.3
50	-1.739	-1.740	34.467	27.746	32.512	37.171	2.20	33.8
60	-1.738	-1.739	34.470	27.748	32.515	37.174	0.87	33.5
70	-1.729	-1.730	34.476	27.753	32.519	37.178	1.20	33.0
80	-1.723	-1.725	34.476	27.753	32.519	37.177	-0.24	33.0
90	-1.709	-1.711	34.483	27.758	32.524	37.181	1.28	32.4
100	-1.699	-1.701	34.483	27.758	32.523	37.181	-0.31	32.4
110	-1.694	-1.696	34.487	27.761	32.526	37.183	0.98	32.1
120	-1.685	-1.688	34.487	27.761	32.525	37.183	-0.30	32.0
130	-1.678	-1.681	34.488	27.761	32.526	37.183	0.43	31.9
140	-1.669	-1.672	34.492	27.764	32.528	37.185	0.96	31.6
150	-1.661	-1.664	34.494	27.766	32.530	37.186	0.65	31.4
160	-1.654	-1.658	34.495	27.766	32.530	37.186	0.43	31.3
170	-1.650	-1.654	34.497	27.768	32.531	37.187	0.68	31.1
180	-1.644	-1.648	34.498	27.769	32.532	37.188	0.44	31.0
190	-1.647	-1.651	34.497	27.768	32.531	37.187	-0.47	31.0
200	-1.644	-1.649	34.500	27.770	32.533	37.189	0.85	30.7
210	-1.632	-1.637	34.502	27.772	32.534	37.190	0.61	30.6
220	-1.620	-1.625	34.503	27.772	32.534	37.189	0.35	30.5
230	-1.595	-1.600	34.507	27.775	32.536	37.190	0.85	30.2
240	-1.461	-1.467	34.515	27.777	32.534	37.184	0.65	30.0
250	-1.414	-1.420	34.517	27.777	32.533	37.182	-0.28	30.0
260	-1.233	-1.240	34.533	27.784	32.534	37.177	1.30	29.5
270	-1.079	-1.087	34.541	27.785	32.530	37.168	-0.35	29.5
280	-0.927	-0.935	34.552	27.788	32.528	37.162	0.74	29.3
290	-0.666	-0.675	34.569	27.791	32.523	37.149	0.45	29.2
300	-0.578	-0.588	34.574	27.791	32.521	37.144	-0.43	29.2
325	-0.190	-0.202	34.607	27.799	32.517	37.129	0.76	28.7
350	-0.090	-0.103	34.616	27.802	32.516	37.125	0.39	28.6
375	0.108	0.093	34.634	27.806	32.514	37.117	0.50	28.4
400	0.117	0.101	34.634	27.805	32.514	37.116	-0.25	28.5
425	0.277	0.259	34.649	27.809	32.512	37.110	0.41	28.3
450	0.317	0.298	34.653	27.810	32.512	37.109	0.25	28.3
475	0.435	0.415	34.664	27.812	32.511	37.104	0.25	28.3
500	0.419	0.397	34.664	27.813	32.512	37.106	0.39	28.2
550	0.520	0.496	34.678	27.818	32.515	37.106	0.49	27.9
600	0.549	0.522	34.683	27.821	32.516	37.106	0.35	27.8
650	0.549	0.519	34.685	27.823	32.518	37.108	0.34	27.7
700	0.535	0.503	34.687	27.825	32.521	37.112	0.43	27.4
750	0.508	0.473	34.687	27.827	32.524	37.115	0.39	27.3
800	0.480	0.443	34.687	27.829	32.527	37.119	0.39	27.1
850	0.453	0.413	34.685	27.829	32.528	37.121	0.23	27.1
900	0.429	0.387	34.685	27.830	32.530	37.124	0.37	26.9
950	0.396	0.351	34.685	27.833	32.533	37.128	0.43	26.7
1000	0.369	0.322	34.682	27.832	32.533	37.129	0.10	26.7
1020	0.359	0.311	34.683	27.833	32.535	37.131	0.52	26.6

# HELO 4



4

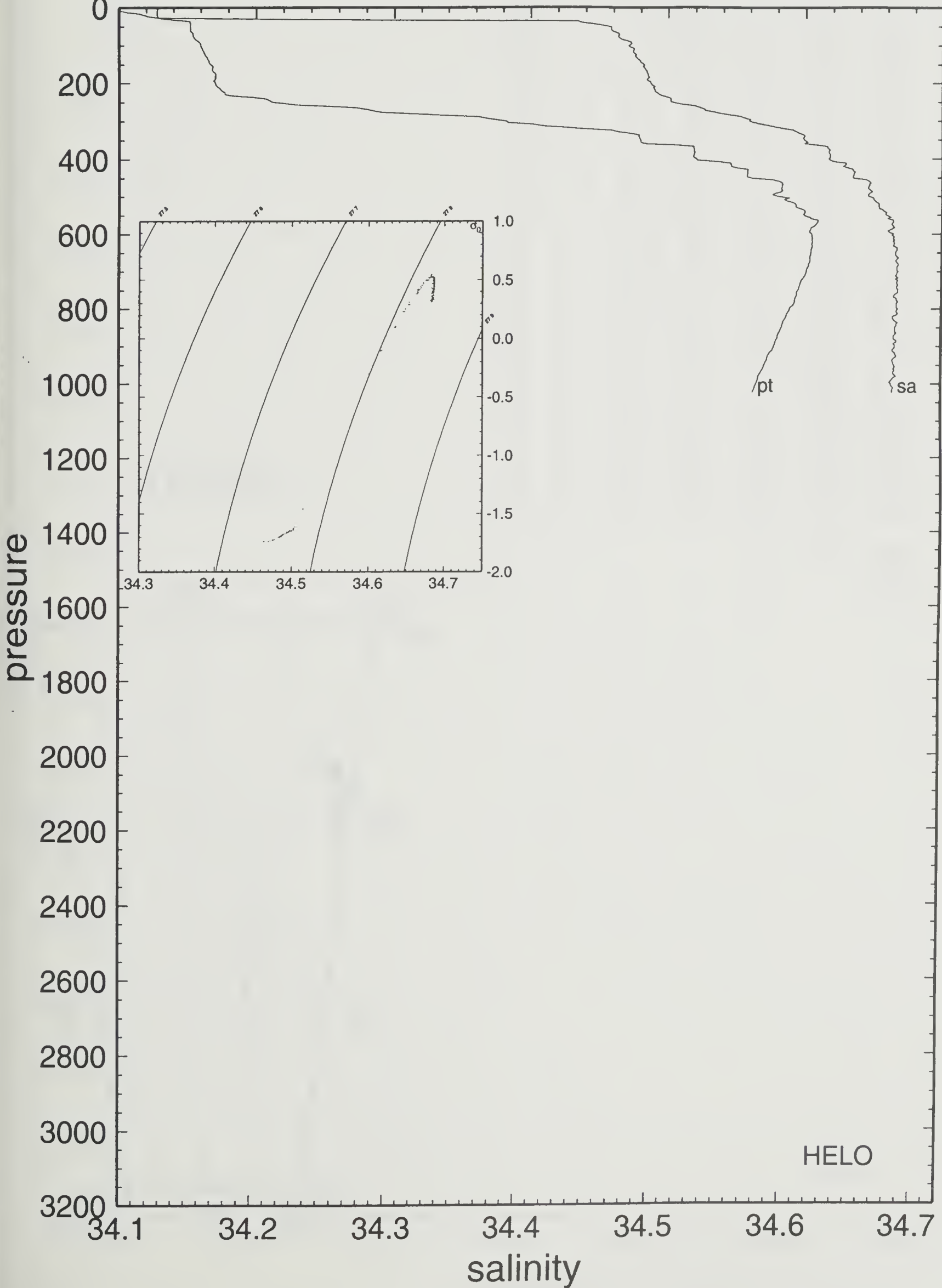
92/03/22 16:14

70 8.57 S 52 13.88 W

HELO

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



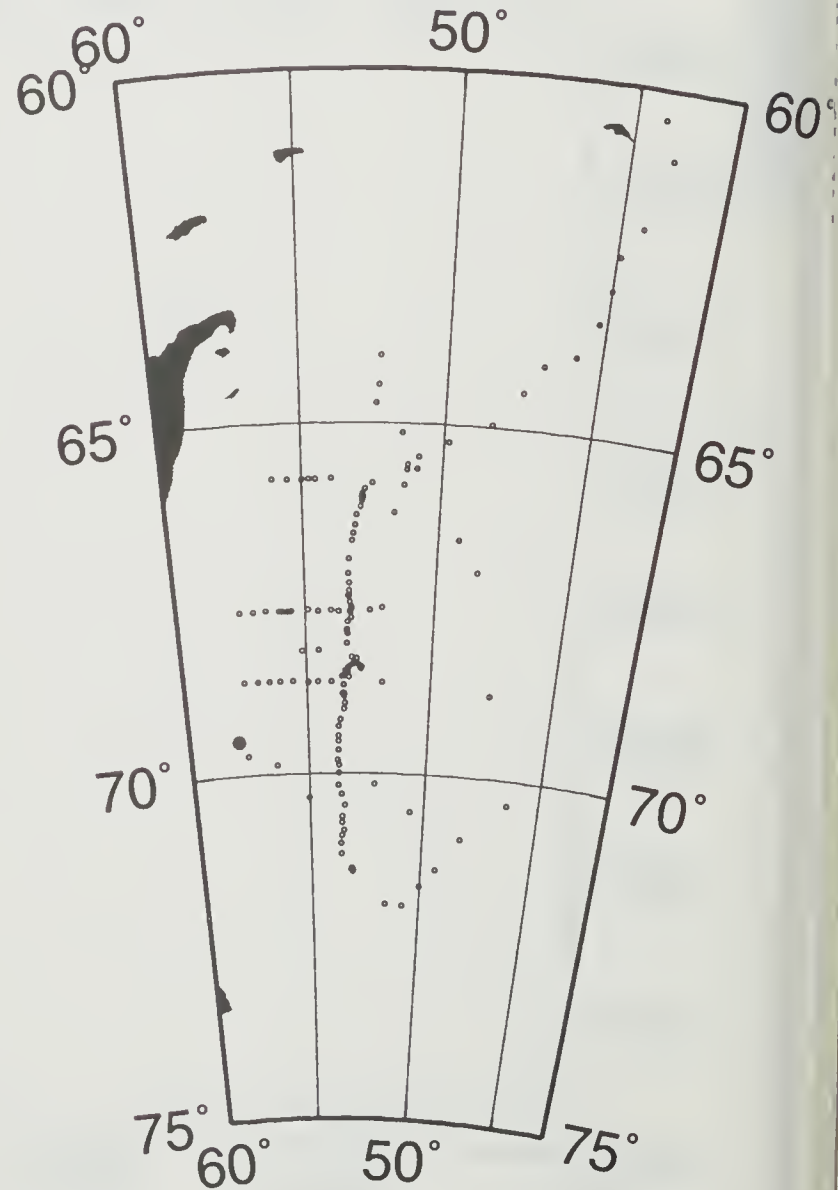
ISW-I -69.5093 -57.8933 92/03/23 83 17:43 HELO STA# 5

bottom depth = 469

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.881	-1.881	34.384	27.682	32.454	37.118	0.00	40.1
10	-1.885	-1.885	34.377	27.677	32.448	37.113	-1.32	40.6
20	-1.884	-1.884	34.374	27.674	32.446	37.110	-0.88	40.8
30	-1.885	-1.886	34.376	27.676	32.448	37.112	0.72	40.5
40	-1.884	-1.885	34.378	27.678	32.449	37.113	0.71	40.3
50	-1.884	-1.885	34.377	27.677	32.448	37.113	-0.50	40.3
60	-1.884	-1.885	34.378	27.678	32.449	37.114	0.51	40.2
70	-1.883	-1.884	34.376	27.676	32.448	37.112	-0.72	40.3
80	-1.883	-1.885	34.376	27.676	32.448	37.112	0.04	40.2
90	-1.882	-1.884	34.380	27.679	32.451	37.115	1.01	39.9
100	-1.880	-1.882	34.378	27.677	32.449	37.113	-0.72	40.0
110	-1.820	-1.822	34.431	27.719	32.488	37.150	3.59	36.0
120	-1.783	-1.785	34.452	27.735	32.503	37.164	2.23	34.4
130	-1.770	-1.773	34.461	27.742	32.509	37.170	1.47	33.7
140	-1.762	-1.765	34.474	27.752	32.519	37.179	1.80	32.7
150	-1.763	-1.766	34.492	27.767	32.534	37.194	2.14	31.3
160	-1.770	-1.773	34.495	27.770	32.537	37.197	0.91	30.9
170	-1.744	-1.748	34.507	27.779	32.545	37.204	1.67	30.0
180	-1.733	-1.737	34.512	27.783	32.548	37.207	1.08	29.6
190	-1.729	-1.733	34.513	27.783	32.549	37.207	0.46	29.5
200	-1.712	-1.716	34.520	27.788	32.554	37.211	1.26	29.0
210	-1.700	-1.705	34.524	27.791	32.556	37.213	0.94	28.7
220	-1.707	-1.712	34.530	27.796	32.561	37.219	1.27	28.1
230	-1.719	-1.724	34.534	27.800	32.565	37.223	1.07	27.7
240	-1.709	-1.714	34.542	27.806	32.571	37.229	1.39	27.1
250	-1.744	-1.750	34.553	27.816	32.582	37.241	1.79	26.1
260	-1.721	-1.727	34.568	27.828	32.593	37.250	1.88	24.9
270	-1.734	-1.740	34.574	27.833	32.598	37.256	1.29	24.4
280	-1.753	-1.759	34.580	27.838	32.604	37.263	1.32	23.8
290	-1.763	-1.770	34.587	27.844	32.611	37.269	1.38	23.2
300	-1.773	-1.780	34.595	27.851	32.618	37.277	1.47	22.5
325	-1.840	-1.847	34.615	27.869	32.638	37.299	1.53	20.6
350	-1.867	-1.875	34.632	27.884	32.653	37.315	1.36	19.0
375	-1.850	-1.859	34.648	27.897	32.665	37.326	1.24	17.7
400	-1.864	-1.873	34.665	27.911	32.680	37.341	1.34	16.2
425	-1.867	-1.877	34.687	27.929	32.697	37.359	1.50	14.4
450	-1.868	-1.879	34.690	27.931	32.700	37.361	0.56	14.0
460	-1.874	-1.885	34.713	27.950	32.719	37.380	2.43	12.2

PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.885	-1.885		
455	-1.872	-1.883		
461	-1.874	-1.885	7.120	

# HELO 5



5

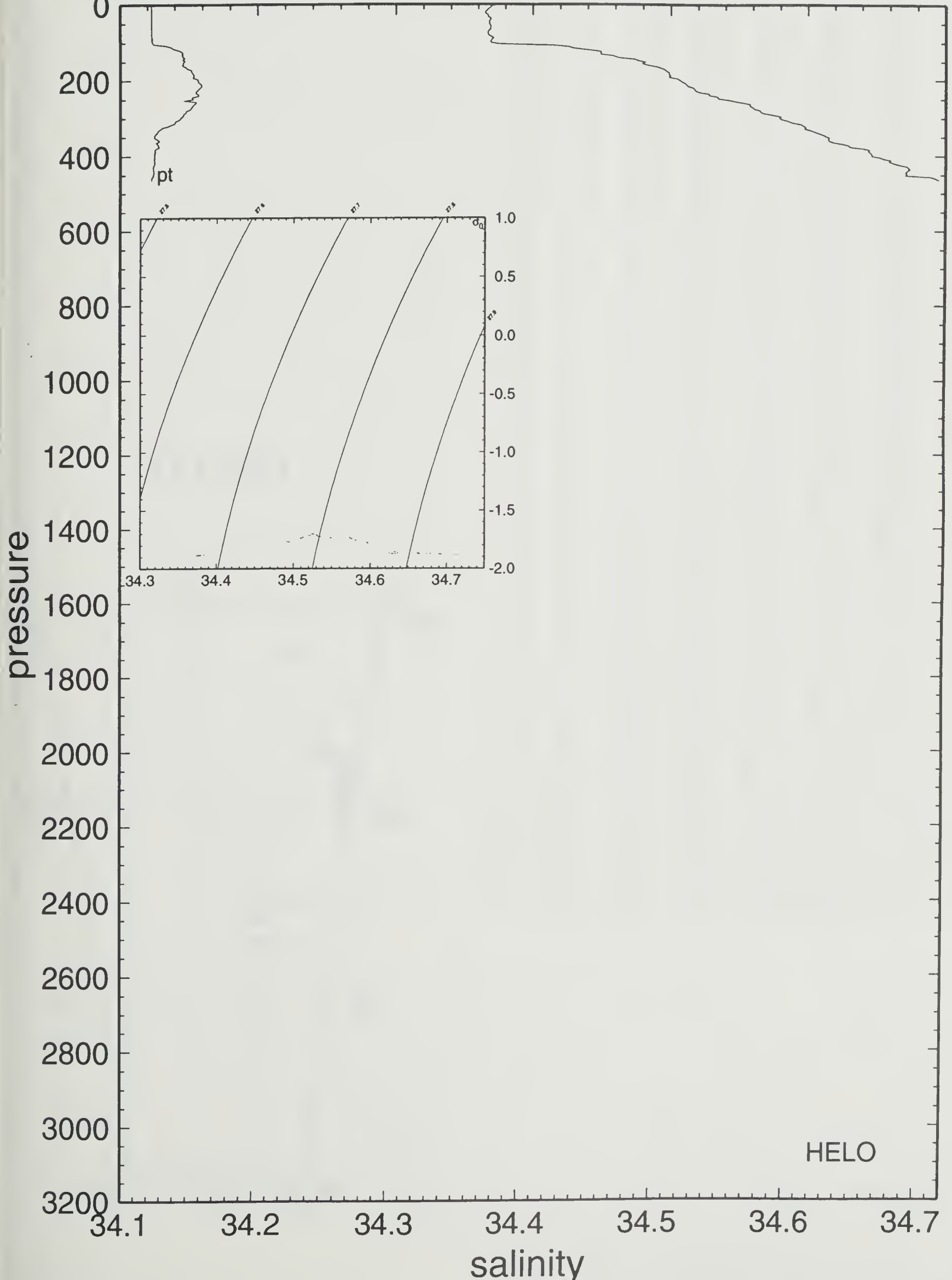
92/03/23 17:43

69 30.56 S 57 53.60 W

HELO

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0





6

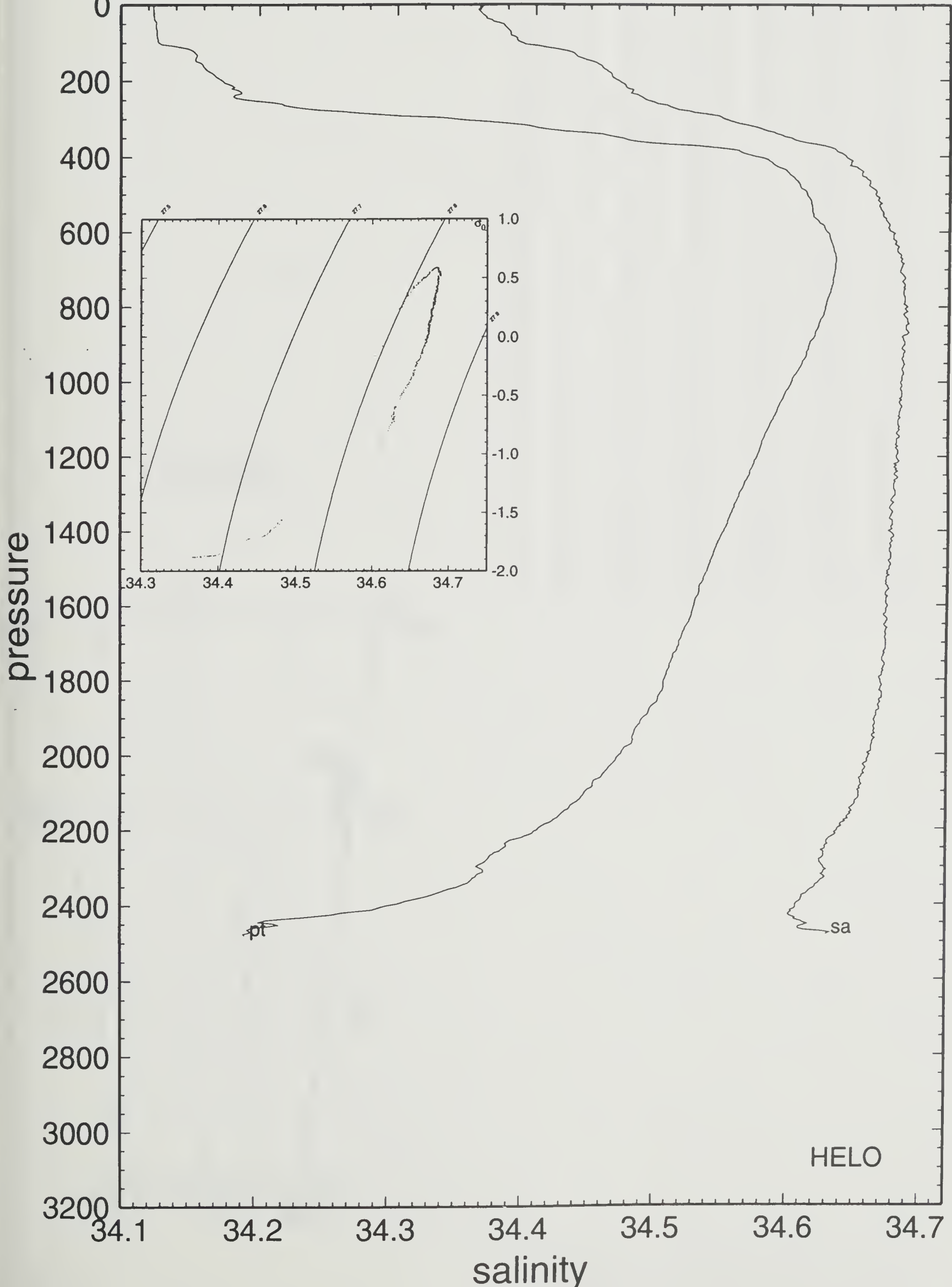
92/04/06 12:55

68 41.05 S 54 0.81 W

HELO

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



pressure

salinity

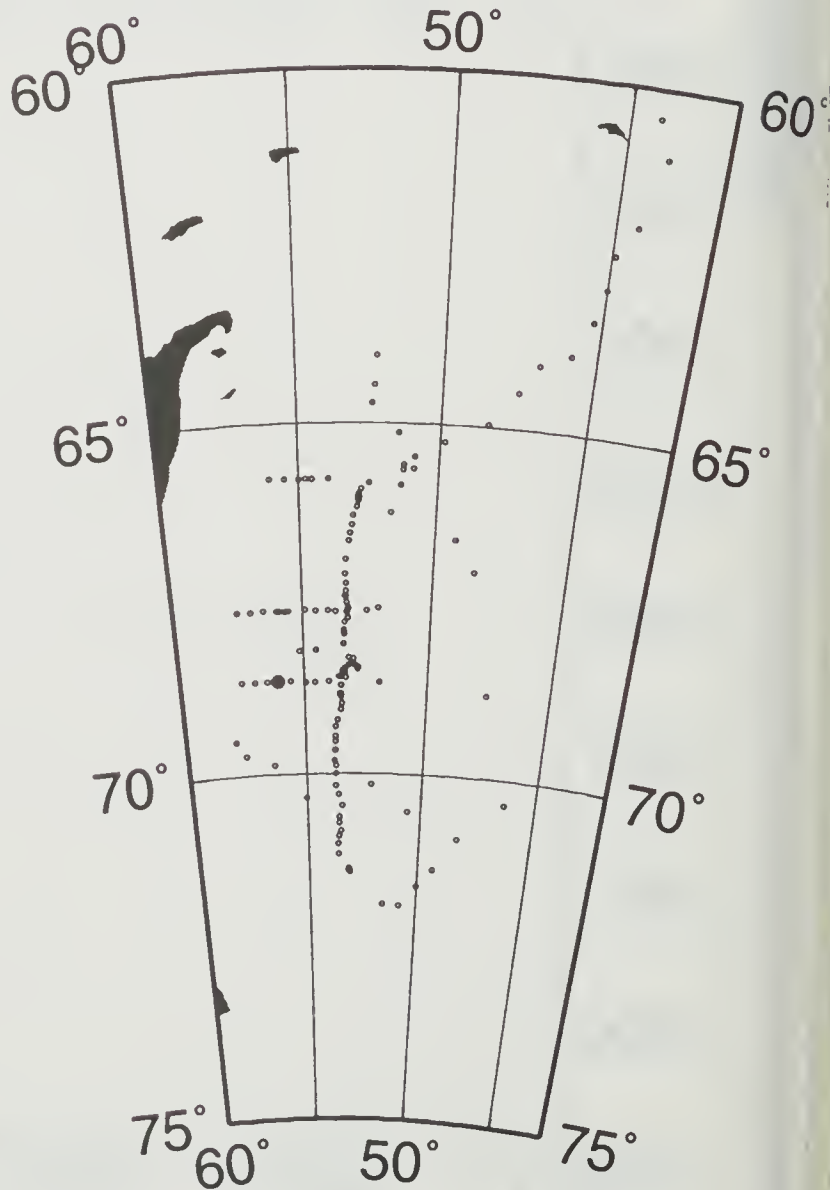
HELO

ISW-I -68.6650 -56.0510 92/04/06 97 16:09 HELO STA# 7

bottom depth = 748

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.881	-1.881	34.314	27.625	32.398	37.062	0.00	45.5
10	-1.881	-1.881	34.312	27.624	32.396	37.061	-0.71	45.6
20	-1.880	-1.880	34.311	27.623	32.395	37.060	-0.51	45.6
30	-1.879	-1.880	34.315	27.626	32.398	37.063	1.01	45.3
40	-1.876	-1.877	34.320	27.630	32.402	37.067	1.12	44.8
50	-1.870	-1.871	34.324	27.633	32.405	37.069	0.98	44.5
60	-1.852	-1.853	34.343	27.648	32.419	37.083	2.16	43.0
70	-1.806	-1.807	34.394	27.689	32.458	37.119	3.54	39.1
80	-1.798	-1.800	34.407	27.699	32.468	37.129	1.80	38.1
90	-1.791	-1.793	34.412	27.703	32.471	37.132	1.10	37.7
100	-1.771	-1.773	34.419	27.708	32.476	37.136	1.26	37.1
110	-1.755	-1.757	34.423	27.711	32.478	37.138	0.93	36.8
120	-1.754	-1.756	34.422	27.710	32.477	37.137	-0.51	36.8
130	-1.734	-1.737	34.425	27.712	32.478	37.138	0.75	36.6
140	-1.725	-1.728	34.429	27.715	32.481	37.140	0.96	36.3
150	-1.735	-1.738	34.432	27.718	32.484	37.143	0.93	35.9
160	-1.724	-1.727	34.433	27.718	32.484	37.143	0.38	35.8
170	-1.710	-1.714	34.438	27.722	32.487	37.146	1.06	35.4
180	-1.682	-1.686	34.442	27.724	32.489	37.147	0.85	35.2
190	-1.642	-1.646	34.445	27.725	32.489	37.145	0.57	35.0
200	-1.631	-1.636	34.447	27.727	32.490	37.146	0.62	34.8
210	-1.632	-1.637	34.449	27.728	32.492	37.148	0.72	34.6
220	-1.628	-1.633	34.453	27.732	32.495	37.150	0.99	34.3
230	-1.605	-1.610	34.457	27.734	32.496	37.152	0.87	34.0
240	-1.560	-1.566	34.458	27.734	32.495	37.148	-0.52	34.0
250	-1.543	-1.549	34.458	27.733	32.494	37.147	-0.45	34.1
260	-1.521	-1.527	34.464	27.737	32.497	37.149	1.12	33.6
270	-1.520	-1.527	34.465	27.738	32.498	37.150	0.49	33.5
280	-1.516	-1.523	34.468	27.740	32.500	37.152	0.84	33.2
290	-1.480	-1.487	34.472	27.743	32.501	37.152	0.75	33.0
300	-1.472	-1.480	34.476	27.746	32.504	37.155	0.96	32.7
325	-1.404	-1.412	34.488	27.753	32.509	37.158	0.93	31.9
350	-1.258	-1.268	34.503	27.760	32.512	37.156	0.84	31.3
375	-1.084	-1.095	34.519	27.767	32.513	37.152	0.77	30.7
400	-0.974	-0.986	34.536	27.777	32.519	37.154	1.02	29.9
425	-0.897	-0.910	34.549	27.784	32.524	37.157	0.90	29.2
450	-0.783	-0.798	34.570	27.797	32.533	37.162	1.16	28.1
475	-0.701	-0.717	34.584	27.805	32.538	37.165	0.92	27.4
500	-0.665	-0.682	34.595	27.812	32.544	37.170	0.92	26.7
550	-0.576	-0.595	34.617	27.826	32.556	37.179	0.88	25.4
600	-0.649	-0.670	34.614	27.827	32.559	37.184	0.37	25.1
650	-0.880	-0.902	34.605	27.829	32.568	37.201	0.66	24.4
700	-1.364	-1.385	34.616	27.856	32.610	37.257	1.52	20.7
730	-1.465	-1.487	34.621	27.864	32.621	37.270	1.00	19.7

# HELO 7





7

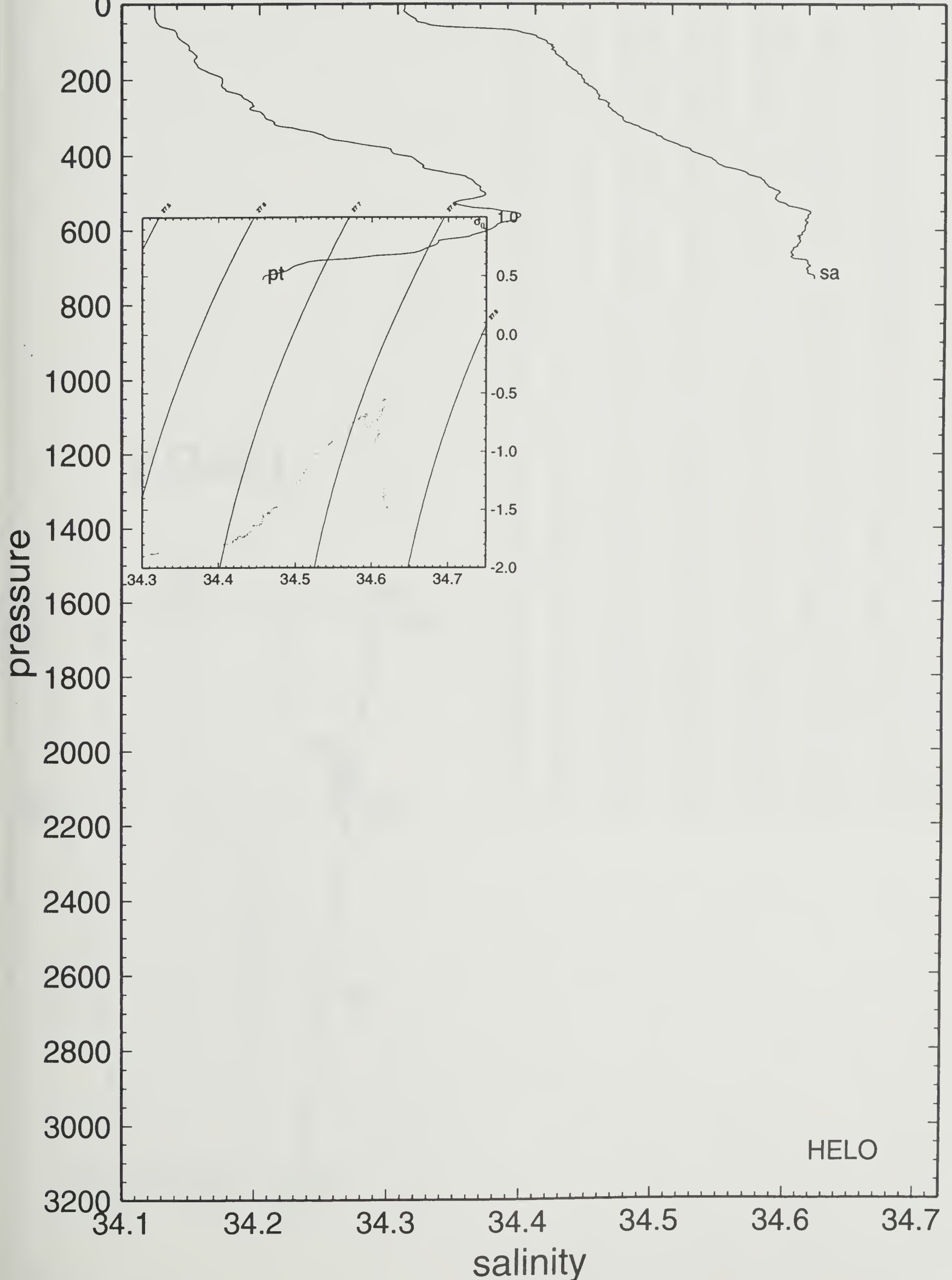
92/04/06 16:09

68 39.90 S 56 3.06 W

HELO

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0

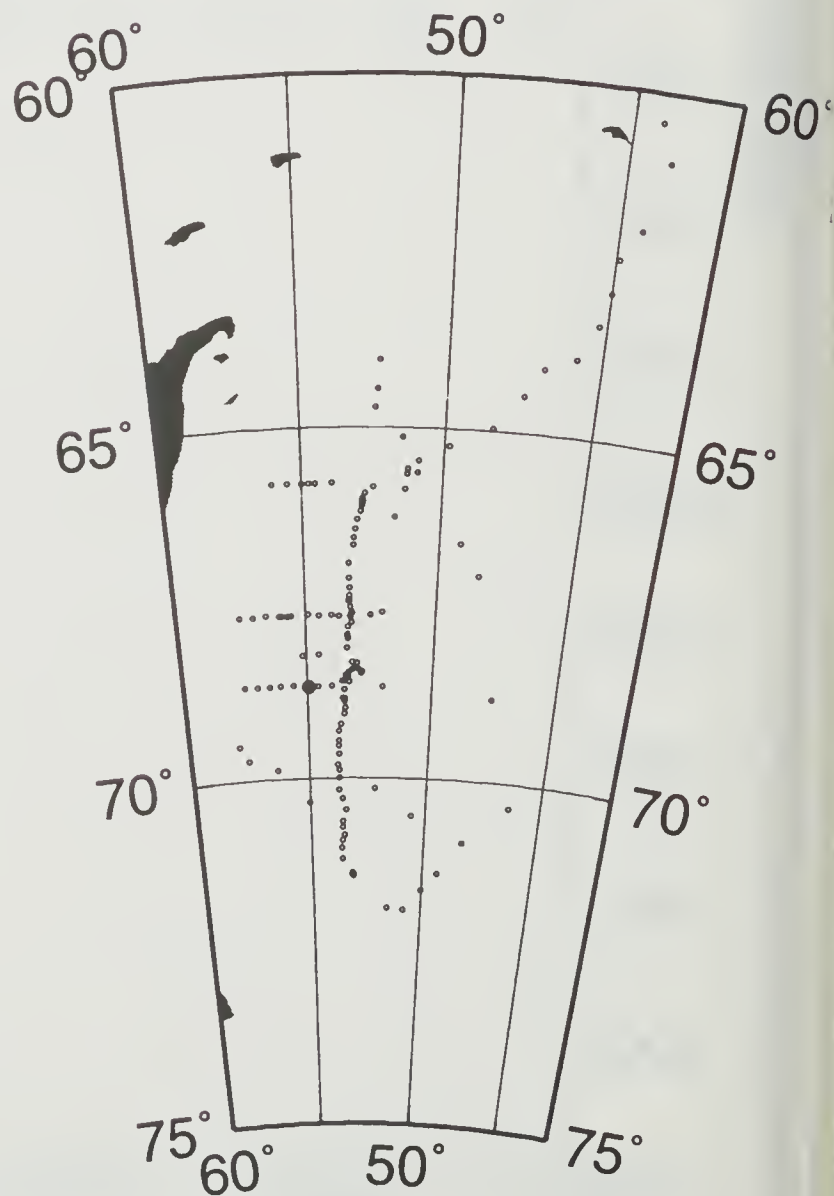


ISW-I -68.6870 -54.9145 92/04/06 97 17:45 HELO STA# 8

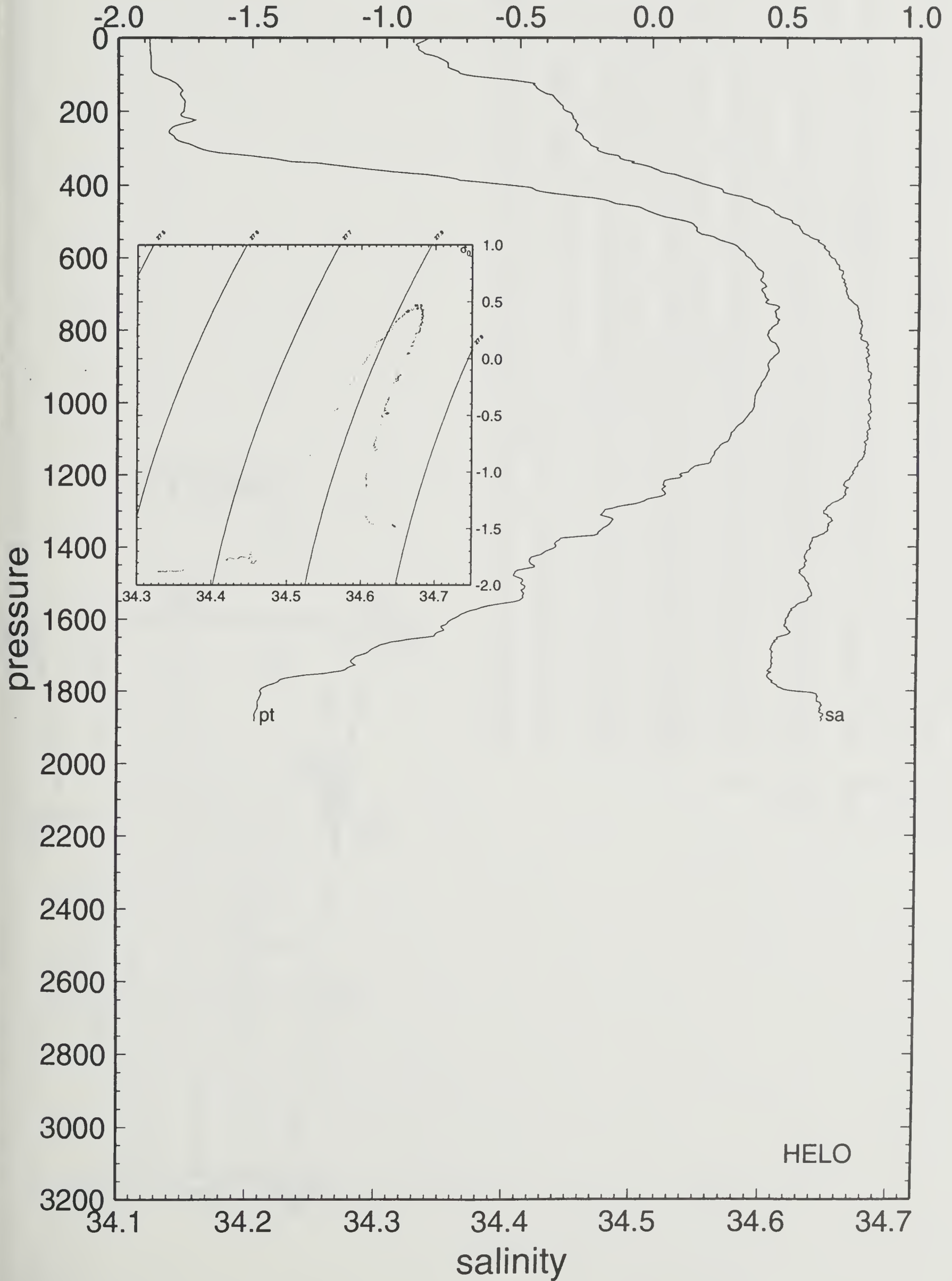
bottom depth = 1920

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.881	-1.881	34.340	27.647	32.418	37.083	0.00	43.5
10	-1.881	-1.881	34.334	27.642	32.414	37.078	-1.24	43.9
20	-1.880	-1.880	34.329	27.638	32.410	37.074	-1.13	44.2
30	-1.879	-1.880	34.331	27.639	32.411	37.076	0.71	44.0
40	-1.878	-1.879	34.335	27.642	32.414	37.079	1.01	43.7
50	-1.875	-1.876	34.343	27.649	32.421	37.085	1.42	43.0
60	-1.876	-1.877	34.350	27.655	32.426	37.091	1.34	42.4
70	-1.876	-1.877	34.354	27.658	32.430	37.094	1.01	42.0
80	-1.875	-1.877	34.354	27.658	32.429	37.094	-0.08	42.0
90	-1.872	-1.874	34.361	27.663	32.435	37.099	1.32	41.4
100	-1.855	-1.857	34.367	27.668	32.439	37.102	1.17	40.9
110	-1.824	-1.826	34.389	27.685	32.455	37.117	2.30	39.2
120	-1.789	-1.791	34.414	27.704	32.473	37.134	2.45	37.3
130	-1.772	-1.775	34.421	27.710	32.477	37.138	1.27	36.8
140	-1.758	-1.761	34.424	27.712	32.479	37.139	0.79	36.5
150	-1.763	-1.766	34.429	27.716	32.483	37.143	1.15	36.1
160	-1.760	-1.763	34.436	27.722	32.489	37.149	1.32	35.5
170	-1.748	-1.752	34.438	27.723	32.490	37.149	0.62	35.3
180	-1.747	-1.751	34.441	27.725	32.492	37.152	0.87	35.0
190	-1.748	-1.752	34.443	27.727	32.494	37.153	0.72	34.8
200	-1.749	-1.753	34.446	27.729	32.496	37.156	0.88	34.5
210	-1.762	-1.767	34.451	27.734	32.501	37.161	1.19	34.1
220	-1.725	-1.730	34.451	27.733	32.499	37.158	-0.63	34.1
230	-1.736	-1.741	34.453	27.735	32.501	37.160	0.79	33.9
240	-1.783	-1.788	34.454	27.737	32.505	37.165	0.88	33.6
250	-1.801	-1.806	34.453	27.737	32.505	37.166	-0.23	33.5
260	-1.802	-1.808	34.457	27.740	32.508	37.169	1.01	33.2
270	-1.783	-1.789	34.459	27.741	32.509	37.169	0.55	33.0
280	-1.768	-1.774	34.462	27.743	32.510	37.170	0.77	32.8
290	-1.723	-1.730	34.465	27.744	32.510	37.169	0.50	32.7
300	-1.691	-1.698	34.471	27.748	32.513	37.171	1.07	32.3
325	-1.449	-1.457	34.488	27.755	32.512	37.162	0.71	31.7
350	-1.144	-1.154	34.510	27.762	32.510	37.150	0.72	31.3
375	-0.802	-0.814	34.534	27.768	32.505	37.135	0.54	31.0
400	-0.537	-0.551	34.556	27.775	32.503	37.126	0.64	30.6
425	-0.341	-0.356	34.573	27.779	32.502	37.118	0.53	30.3
450	-0.127	-0.144	34.593	27.785	32.501	37.111	0.59	30.0
475	0.014	-0.005	34.607	27.789	32.501	37.107	0.51	29.8
500	0.146	0.126	34.621	27.794	32.501	37.103	0.54	29.6
550	0.273	0.250	34.640	27.802	32.506	37.104	0.63	29.0
600	0.387	0.361	34.652	27.805	32.506	37.101	0.30	28.9
650	0.442	0.413	34.660	27.809	32.508	37.101	0.39	28.7
700	0.451	0.419	34.664	27.812	32.510	37.104	0.41	28.5
750	0.495	0.460	34.673	27.816	32.514	37.106	0.49	28.2
800	0.477	0.440	34.675	27.819	32.517	37.110	0.45	28.0
850	0.512	0.472	34.680	27.821	32.519	37.110	0.29	27.9
900	0.477	0.434	34.680	27.824	32.522	37.114	0.45	27.7
950	0.454	0.409	34.683	27.828	32.526	37.120	0.54	27.3
1000	0.433	0.385	34.682	27.828	32.528	37.122	0.28	27.3
1100	0.346	0.293	34.681	27.833	32.535	37.132	0.48	26.7
1200	0.164	0.107	34.669	27.833	32.541	37.143	0.47	26.1
1300	-0.116	-0.176	34.647	27.830	32.547	37.157	0.49	25.3
1400	-0.297	-0.360	34.636	27.831	32.553	37.169	0.49	24.5
1500	-0.422	-0.490	34.635	27.836	32.562	37.182	0.58	23.4
1600	-0.673	-0.743	34.618	27.833	32.567	37.195	0.55	22.4
1700	-1.020	-1.091	34.607	27.838	32.583	37.221	0.84	20.1
1800	-1.395	-1.467	34.623	27.865	32.621	37.270	1.20	15.5
1880	-1.411	-1.487	34.647	27.885	32.641	37.291	0.90	13.2

# HELO 8



### potential temperature



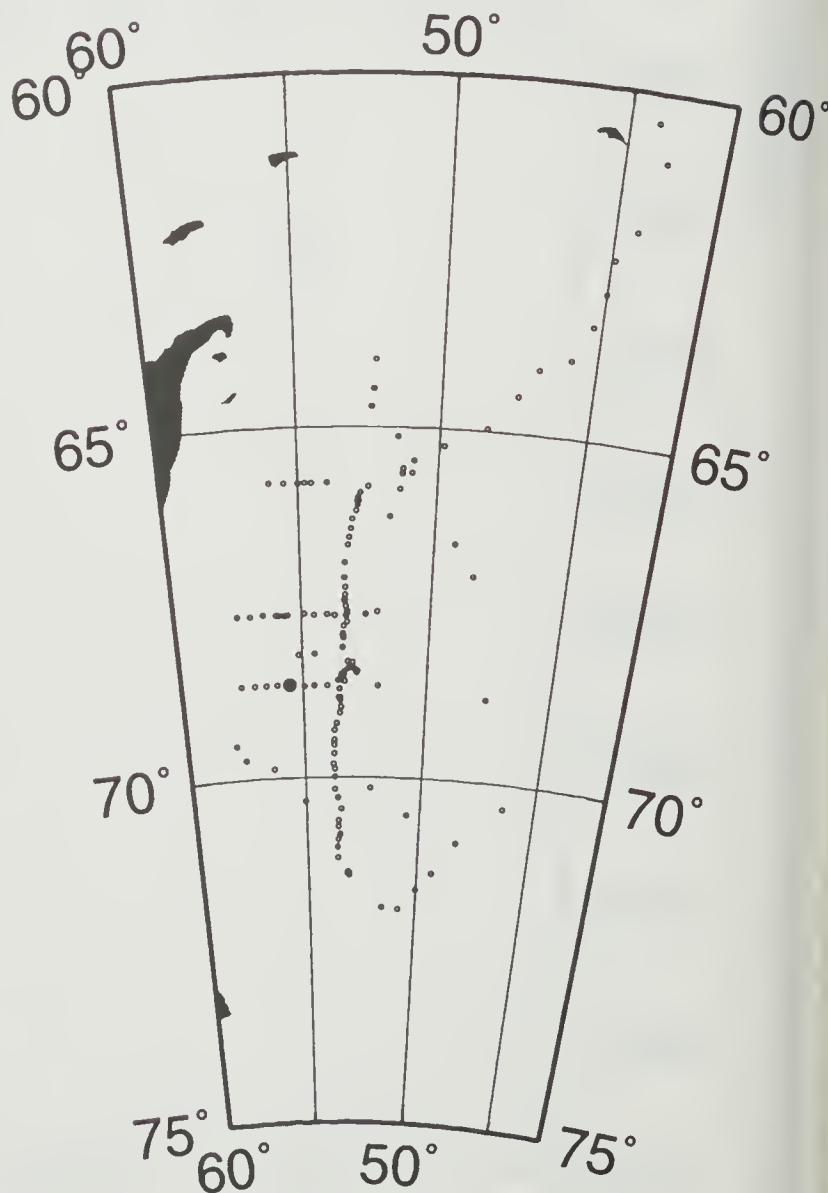
ISW-I -68.6740 -55.5167 92/04/09 100 12:45 HELO STA# 9

bottom depth = 1401

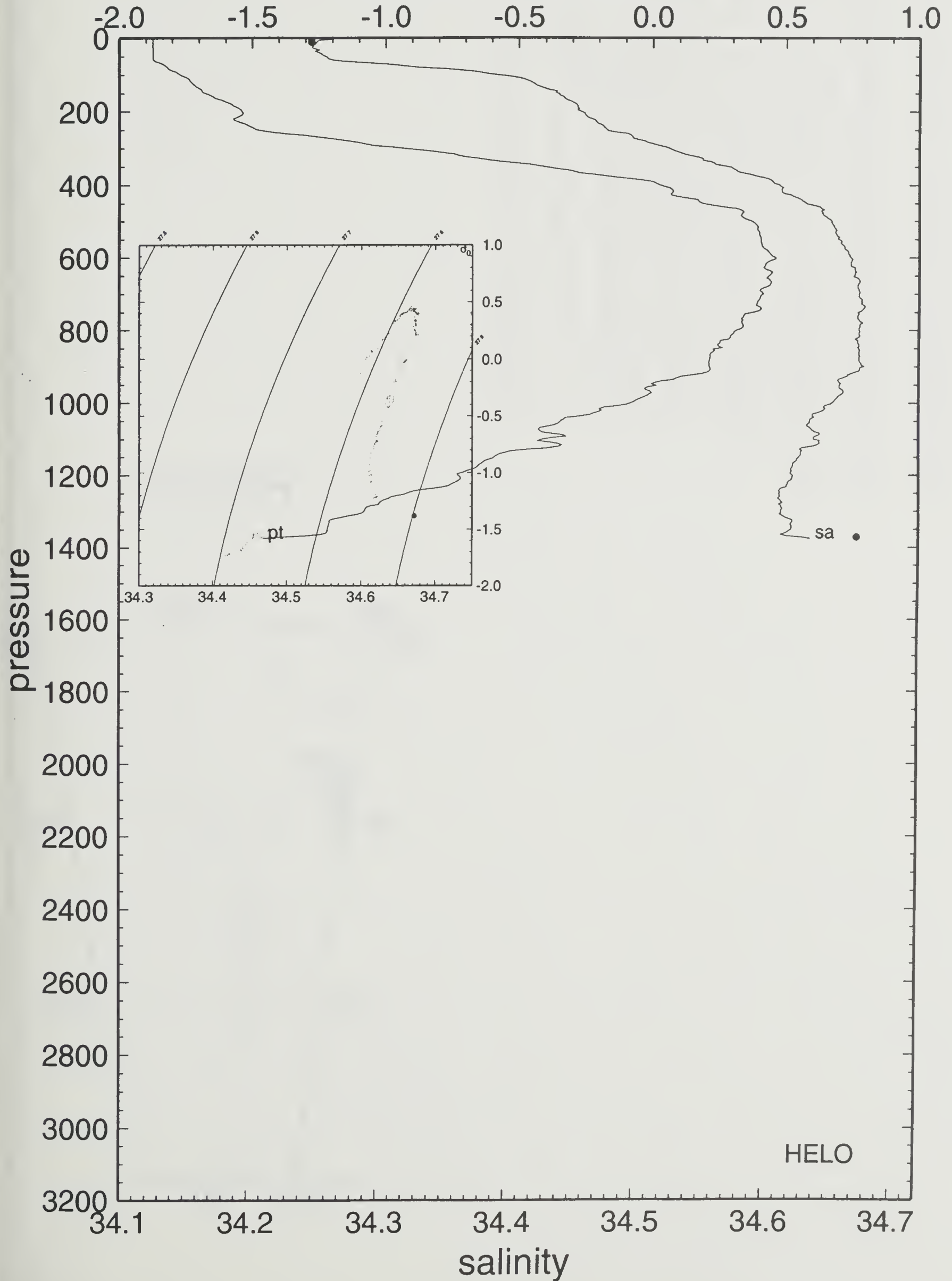
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.873	-1.873	34.263	27.584	32.356	37.021	0.00	49.5
10	-1.874	-1.874	34.254	27.576	32.349	37.014	-1.51	50.1
20	-1.874	-1.874	34.251	27.574	32.346	37.012	-0.87	50.3
30	-1.873	-1.874	34.253	27.576	32.348	37.013	0.71	50.0
40	-1.873	-1.874	34.255	27.577	32.350	37.015	0.71	49.8
50	-1.873	-1.874	34.259	27.580	32.353	37.018	1.01	49.5
60	-1.871	-1.872	34.266	27.586	32.358	37.023	1.33	48.9
70	-1.839	-1.840	34.300	27.613	32.384	37.047	2.89	46.3
80	-1.816	-1.818	34.333	27.639	32.409	37.072	2.86	43.7
90	-1.795	-1.797	34.371	27.670	32.439	37.100	3.08	40.8
100	-1.768	-1.770	34.393	27.687	32.455	37.115	2.31	39.1
110	-1.740	-1.742	34.412	27.701	32.468	37.128	2.14	37.7
120	-1.727	-1.730	34.420	27.708	32.474	37.133	1.38	37.1
130	-1.714	-1.717	34.424	27.710	32.476	37.135	0.94	36.7
140	-1.689	-1.692	34.433	27.717	32.482	37.140	1.43	36.1
150	-1.674	-1.677	34.439	27.722	32.486	37.143	1.17	35.6
160	-1.645	-1.649	34.444	27.725	32.488	37.145	0.98	35.2
170	-1.609	-1.613	34.449	27.728	32.490	37.145	0.94	34.9
180	-1.576	-1.580	34.454	27.731	32.492	37.146	0.95	34.6
190	-1.551	-1.555	34.456	27.732	32.492	37.146	0.48	34.5
200	-1.536	-1.541	34.458	27.733	32.493	37.146	0.58	34.3
210	-1.538	-1.543	34.462	27.736	32.496	37.149	1.02	34.0
220	-1.569	-1.574	34.466	27.740	32.502	37.155	1.17	33.5
230	-1.535	-1.540	34.471	27.743	32.503	37.156	0.93	33.2
240	-1.505	-1.511	34.475	27.746	32.505	37.157	0.81	32.9
250	-1.467	-1.473	34.479	27.748	32.506	37.156	0.74	32.7
260	-1.376	-1.383	34.494	27.757	32.512	37.160	1.63	31.9
270	-1.225	-1.232	34.498	27.755	32.505	37.148	-1.00	32.1
280	-1.130	-1.138	34.507	27.759	32.506	37.146	0.98	31.8
290	-1.056	-1.064	34.516	27.764	32.508	37.146	1.10	31.4
300	-0.922	-0.931	34.526	27.767	32.507	37.141	0.73	31.2
325	-0.676	-0.686	34.549	27.775	32.508	37.134	0.87	30.6
350	-0.404	-0.416	34.571	27.781	32.505	37.123	0.59	30.3
375	-0.167	-0.181	34.593	27.787	32.504	37.115	0.68	29.9
400	0.041	0.025	34.611	27.791	32.502	37.107	0.42	29.7
425	0.084	0.067	34.616	27.793	32.502	37.106	0.40	29.6
450	0.202	0.184	34.632	27.799	32.505	37.105	0.79	29.2
475	0.358	0.338	34.645	27.801	32.502	37.098	-0.22	29.2
500	0.391	0.370	34.652	27.805	32.505	37.100	0.64	28.9
550	0.428	0.404	34.658	27.808	32.507	37.101	0.38	28.7
600	0.485	0.458	34.667	27.812	32.509	37.101	0.44	28.5
650	0.462	0.433	34.669	27.815	32.513	37.106	0.47	28.2
700	0.444	0.412	34.673	27.819	32.518	37.111	0.55	27.8
750	0.414	0.380	34.674	27.822	32.522	37.116	0.46	27.5
800	0.351	0.315	34.673	27.825	32.527	37.123	0.53	27.2
850	0.280	0.242	34.673	27.829	32.533	37.131	0.61	26.7
900	0.251	0.210	34.677	27.834	32.539	37.138	0.60	26.1
950	0.045	0.003	34.659	27.831	32.542	37.147	0.40	25.9
1000	-0.040	-0.084	34.653	27.831	32.544	37.152	0.38	25.7
1100	-0.370	-0.416	34.638	27.835	32.559	37.176	0.68	24.2
1200	-0.680	-0.728	34.622	27.836	32.569	37.196	0.62	22.9
1300	-1.031	-1.081	34.613	27.843	32.587	37.225	0.80	20.8
1375	-1.395	-1.445	34.634	27.873	32.628	37.277	1.36	16.4

PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.874	-1.874	34.249	
1371	-1.332	-1.382	34.672	
1373	-1.371	-1.421		

# HELO 9



### potential temperature



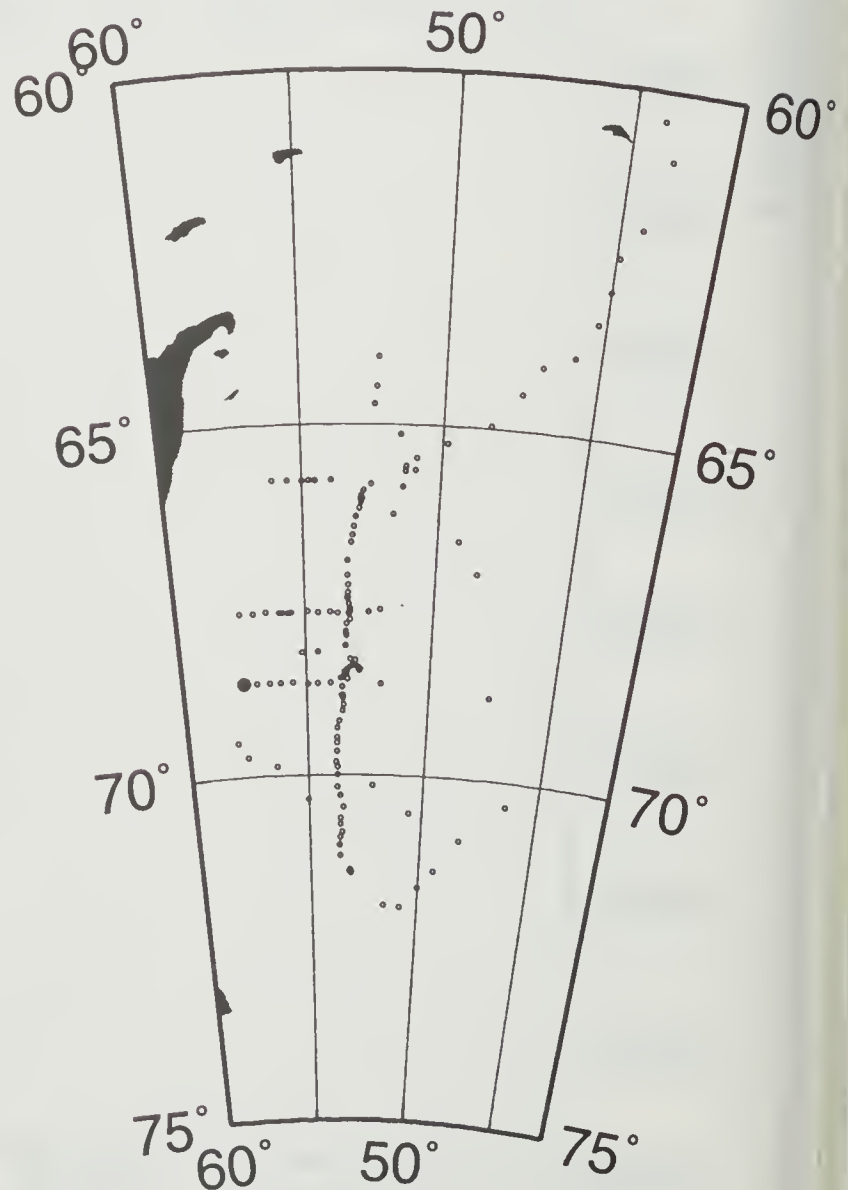
ISW-I -68.6670 -57.5083 92/04/09 100 15:03 HELO STA# 10

bottom depth = 299

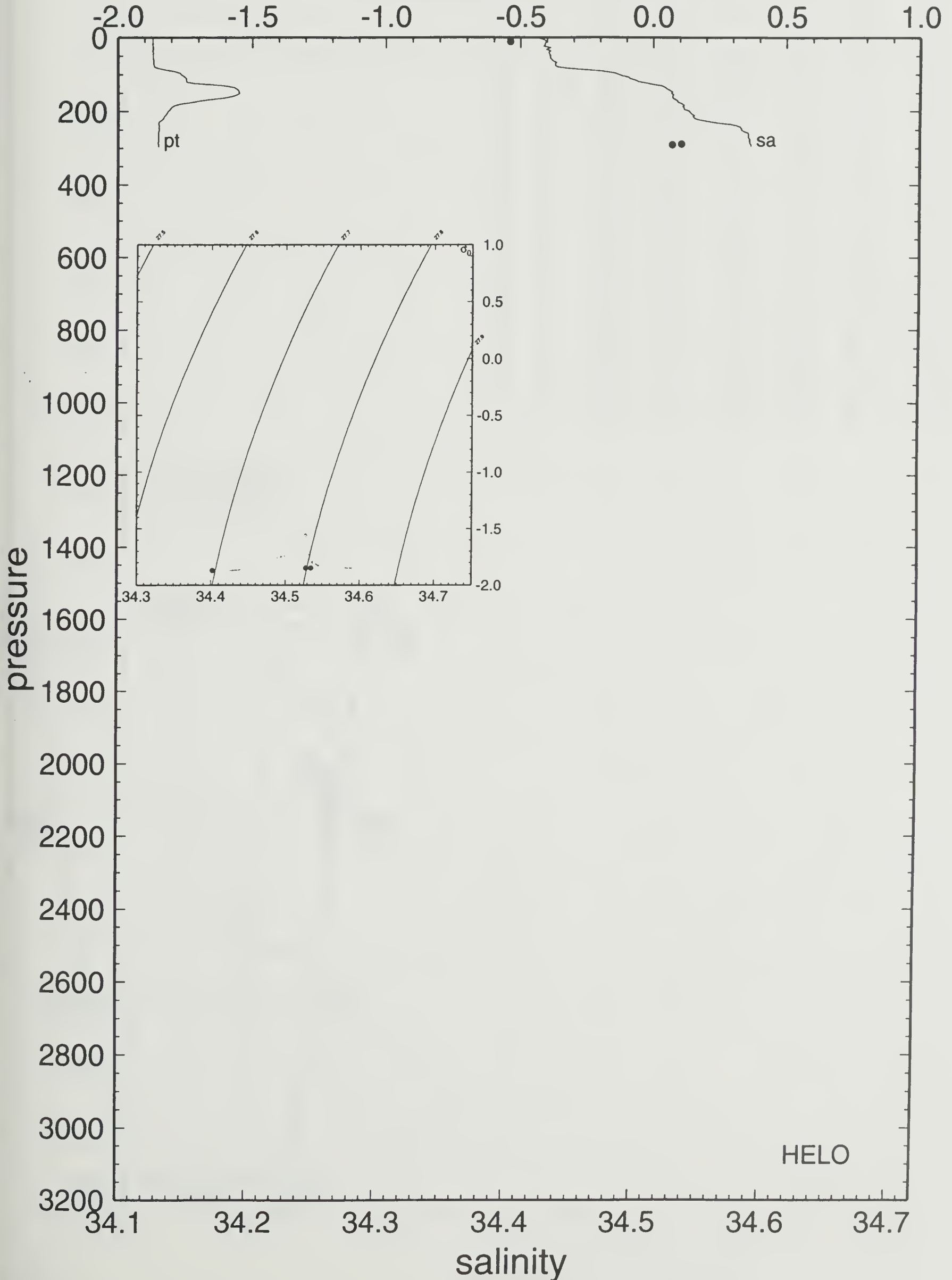
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.868	-1.868	34.420	27.711	32.482	37.145	0.00	37.4
10	-1.870	-1.870	34.430	27.719	32.490	37.154	1.60	36.6
20	-1.870	-1.870	34.429	27.719	32.489	37.153	-0.50	36.6
30	-1.868	-1.869	34.431	27.720	32.491	37.154	0.70	36.4
40	-1.868	-1.869	34.432	27.721	32.492	37.155	0.51	36.2
50	-1.868	-1.869	34.433	27.722	32.493	37.156	0.51	36.1
60	-1.866	-1.867	34.434	27.723	32.493	37.156	0.49	35.9
70	-1.865	-1.866	34.438	27.726	32.496	37.160	1.01	35.6
80	-1.861	-1.863	34.439	27.727	32.497	37.160	0.47	35.5
90	-1.805	-1.807	34.466	27.747	32.516	37.177	2.52	33.5
100	-1.763	-1.765	34.486	27.762	32.529	37.189	2.16	32.0
110	-1.745	-1.747	34.494	27.768	32.535	37.193	1.36	31.4
120	-1.742	-1.745	34.502	27.775	32.541	37.200	1.42	30.7
130	-1.618	-1.621	34.517	27.783	32.545	37.200	1.59	29.9
140	-1.554	-1.557	34.524	27.787	32.547	37.200	1.04	29.5
150	-1.546	-1.549	34.528	27.790	32.550	37.202	0.96	29.2
160	-1.569	-1.573	34.528	27.791	32.551	37.205	0.51	29.1
170	-1.678	-1.682	34.531	27.796	32.560	37.217	1.40	28.4
180	-1.763	-1.767	34.535	27.802	32.569	37.228	1.39	27.8
190	-1.797	-1.801	34.536	27.804	32.571	37.232	0.78	27.5
200	-1.809	-1.813	34.541	27.808	32.576	37.237	1.18	27.1
210	-1.818	-1.822	34.544	27.811	32.579	37.240	0.93	26.7
220	-1.825	-1.830	34.545	27.812	32.580	37.241	0.57	26.6
230	-1.842	-1.847	34.560	27.825	32.593	37.255	2.00	25.3
240	-1.841	-1.846	34.578	27.839	32.608	37.269	2.14	23.9
250	-1.842	-1.847	34.582	27.843	32.611	37.273	1.01	23.5
260	-1.843	-1.849	34.587	27.847	32.615	37.277	1.13	23.1
270	-1.843	-1.849	34.587	27.847	32.615	37.277	0.05	23.0
280	-1.843	-1.849	34.588	27.847	32.616	37.277	0.51	22.9
290	-1.842	-1.848	34.589	27.848	32.617	37.278	0.50	22.8
295	-1.842	-1.848	34.589	27.848	32.617	37.278	0.05	22.7

PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.870	-1.870	34.402	
290	-1.842	-1.848	34.535	
292	-1.842	-1.848	34.528	

# HELO 10



### potential temperature

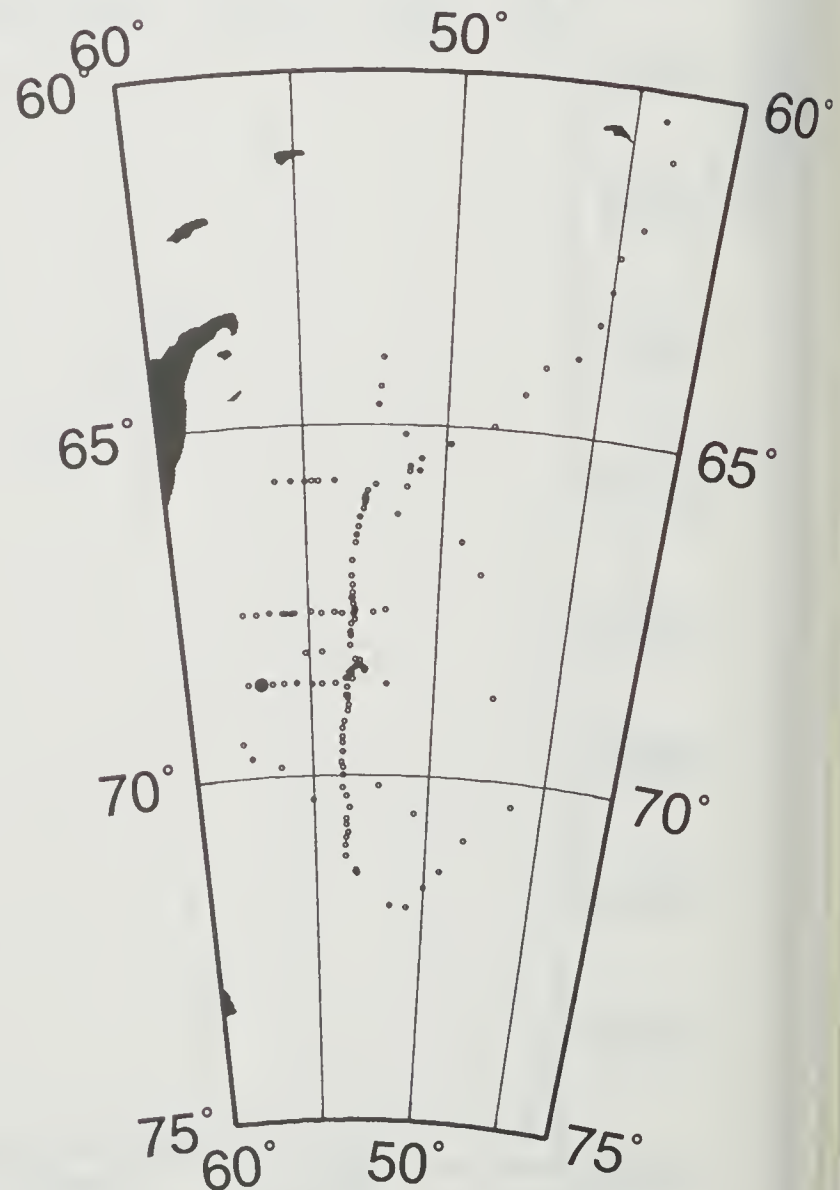


ISW-I -68.6667 -56.9668 92/04/09 100 16:02 HELO STA# 11

bottom depth = 294

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.874	-1.874	34.430	27.720	32.490	37.154	0.00	36.6
10	-1.874	-1.874	34.437	27.725	32.496	37.160	1.34	36.0
20	-1.874	-1.874	34.435	27.724	32.495	37.158	-0.71	36.1
30	-1.873	-1.874	34.439	27.727	32.498	37.161	1.01	35.7
40	-1.873	-1.874	34.444	27.731	32.502	37.165	1.13	35.3
50	-1.873	-1.874	34.443	27.730	32.501	37.164	-0.50	35.3
60	-1.872	-1.873	34.441	27.729	32.499	37.163	-0.72	35.4
70	-1.872	-1.873	34.440	27.728	32.498	37.162	-0.50	35.4
80	-1.871	-1.873	34.441	27.728	32.499	37.163	0.50	35.3
90	-1.871	-1.873	34.440	27.728	32.498	37.162	-0.50	35.3
100	-1.867	-1.869	34.444	27.731	32.501	37.165	0.99	34.9
110	-1.803	-1.805	34.477	27.756	32.524	37.185	2.79	32.5
120	-1.759	-1.761	34.501	27.774	32.541	37.200	2.38	30.7
130	-1.766	-1.769	34.514	27.785	32.552	37.211	1.84	29.7
140	-1.781	-1.784	34.519	27.790	32.557	37.217	1.19	29.2
150	-1.785	-1.788	34.526	27.795	32.563	37.223	1.35	28.6
160	-1.798	-1.801	34.527	27.797	32.564	37.225	0.62	28.4
170	-1.809	-1.813	34.532	27.801	32.569	37.230	1.18	27.9
180	-1.814	-1.818	34.541	27.808	32.577	37.237	1.53	27.2
190	-1.816	-1.820	34.541	27.808	32.577	37.237	0.15	27.1
200	-1.832	-1.836	34.545	27.812	32.581	37.242	1.09	26.7
210	-1.840	-1.844	34.551	27.817	32.586	37.248	1.27	26.1
220	-1.845	-1.850	34.553	27.819	32.588	37.250	0.75	25.9
230	-1.853	-1.858	34.560	27.825	32.594	37.256	1.37	25.3
240	-1.849	-1.854	34.569	27.832	32.601	37.263	1.50	24.6
250	-1.850	-1.855	34.574	27.836	32.605	37.267	1.13	24.1
260	-1.852	-1.858	34.593	27.852	32.621	37.282	2.20	22.6
270	-1.851	-1.857	34.593	27.852	32.621	37.282	-0.09	22.5
280	-1.851	-1.857	34.593	27.852	32.621	37.282	0.05	22.5
290	-1.851	-1.857	34.592	27.851	32.620	37.281	-0.50	22.5
295	-1.850	-1.856	34.601	27.858	32.627	37.288	2.13	21.8

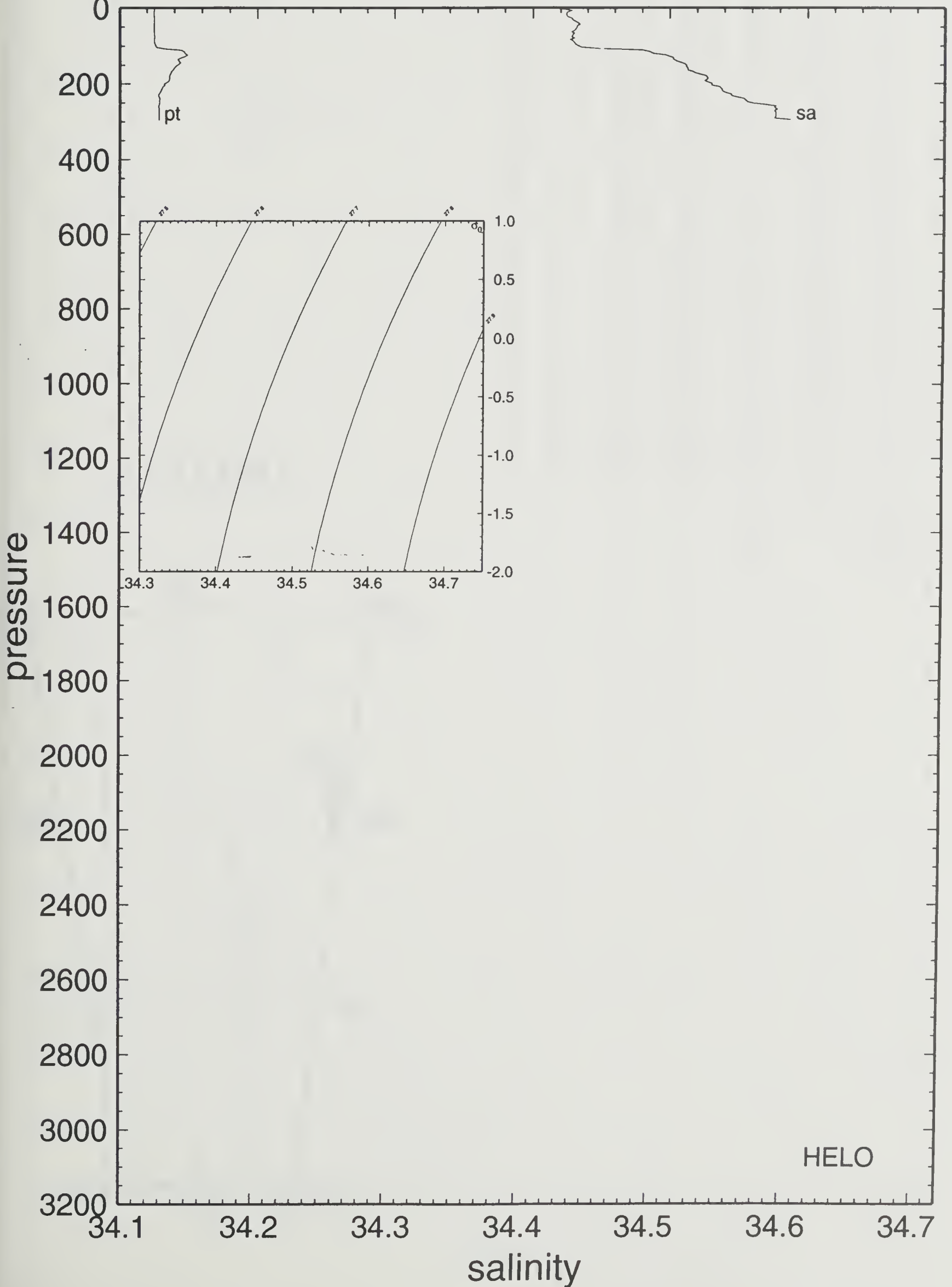
# HELO 11





### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



HELO

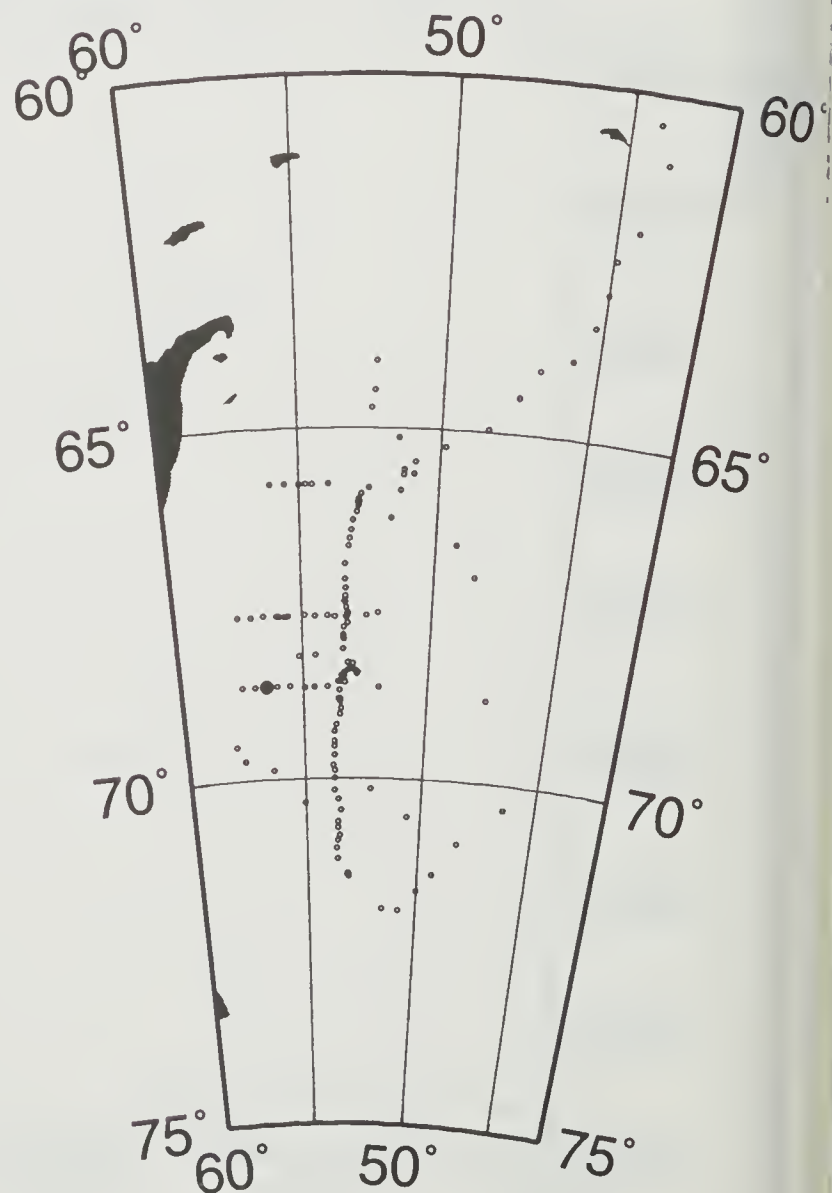
ISW-I -68.6663 -56.4975 92/04/09 100 17:08 HELO STA# 12

bottom depth = 410

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.869	-1.869	34.346	27.651	32.423	37.087	0.00	43.1
10	-1.869	-1.869	34.348	27.653	32.424	37.088	0.71	42.9
20	-1.869	-1.869	34.347	27.652	32.423	37.087	-0.50	42.9
30	-1.867	-1.868	34.350	27.654	32.426	37.090	0.87	42.6
40	-1.866	-1.867	34.352	27.656	32.427	37.091	0.71	42.4
50	-1.865	-1.866	34.356	27.659	32.430	37.094	1.01	42.0
60	-1.865	-1.866	34.381	27.680	32.451	37.114	2.52	40.0
70	-1.852	-1.853	34.404	27.698	32.468	37.131	2.40	38.2
80	-1.841	-1.843	34.411	27.703	32.473	37.136	1.30	37.7
90	-1.799	-1.801	34.425	27.714	32.482	37.143	1.78	36.6
100	-1.727	-1.729	34.433	27.718	32.484	37.143	1.16	36.2
110	-1.683	-1.685	34.438	27.721	32.486	37.143	0.91	35.9
120	-1.660	-1.663	34.441	27.723	32.487	37.144	0.73	35.7
130	-1.620	-1.623	34.448	27.727	32.490	37.146	1.17	35.2
140	-1.594	-1.597	34.452	27.730	32.492	37.146	0.86	34.9
150	-1.498	-1.501	34.462	27.735	32.494	37.145	1.22	34.4
160	-1.476	-1.480	34.467	27.738	32.496	37.147	1.01	34.1
170	-1.466	-1.470	34.470	27.740	32.498	37.149	0.81	33.8
180	-1.447	-1.451	34.475	27.744	32.501	37.151	1.02	33.4
190	-1.388	-1.393	34.482	27.748	32.503	37.151	1.03	33.1
200	-1.322	-1.327	34.490	27.752	32.505	37.151	1.10	32.7
210	-1.435	-1.440	34.495	27.760	32.516	37.166	1.63	31.8
220	-1.462	-1.467	34.493	27.759	32.517	37.167	-0.42	31.8
230	-1.534	-1.539	34.499	27.766	32.526	37.178	1.55	31.0
240	-1.562	-1.568	34.501	27.769	32.529	37.183	0.92	30.7
250	-1.560	-1.566	34.504	27.771	32.532	37.185	0.86	30.5
260	-1.396	-1.403	34.523	27.781	32.536	37.185	1.67	29.6
270	-1.234	-1.241	34.536	27.786	32.536	37.180	1.07	29.2
280	-1.100	-1.108	34.542	27.786	32.532	37.171	-0.60	29.3
290	-1.332	-1.340	34.546	27.798	32.551	37.197	2.06	27.9
300	-1.498	-1.505	34.543	27.801	32.559	37.210	1.19	27.5
325	-1.303	-1.312	34.575	27.820	32.572	37.217	1.48	25.7
350	-1.413	-1.422	34.588	27.835	32.590	37.238	1.39	24.1
375	-1.484	-1.494	34.595	27.843	32.600	37.250	1.05	23.2
400	-1.479	-1.489	34.593	27.841	32.598	37.248	-0.47	23.3
415	-1.481	-1.492	34.594	27.842	32.599	37.249	0.44	23.1

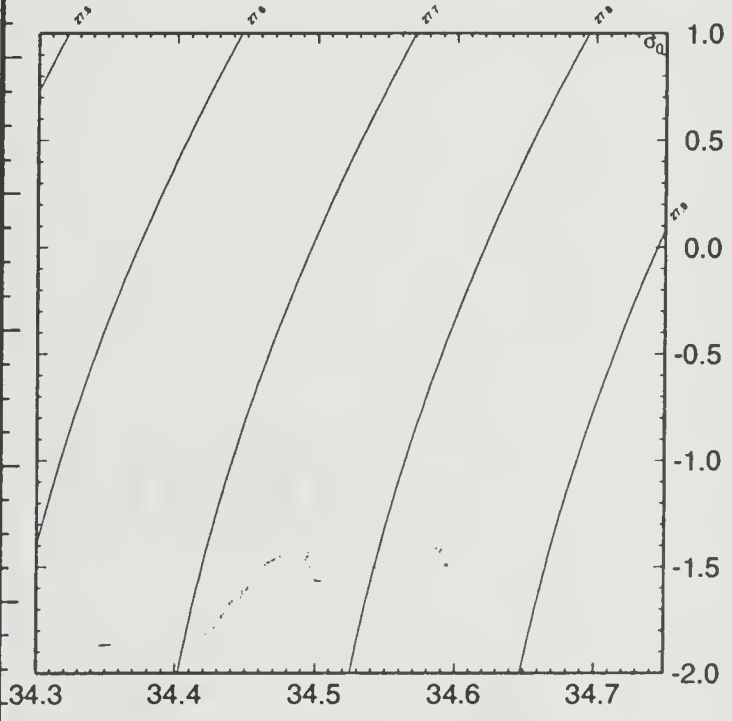
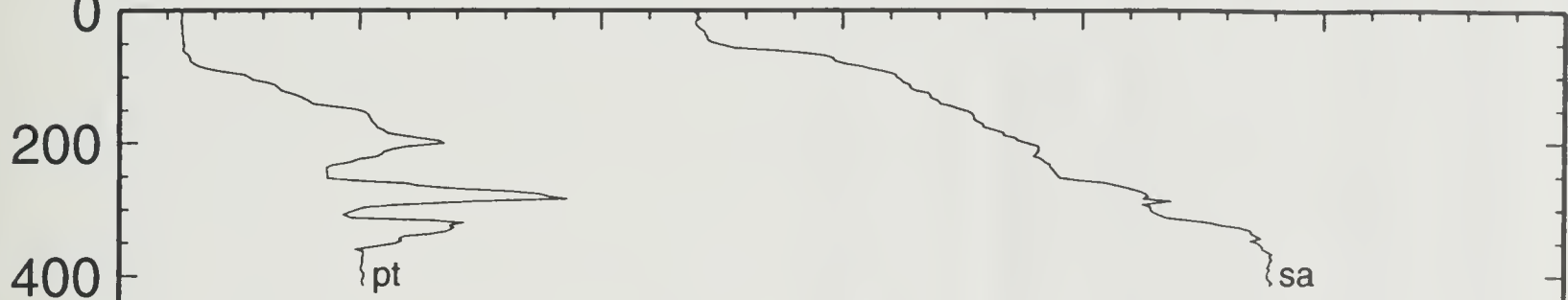
PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.870	-1.870		7.127
404	-1.481	-1.492		6.536
404	-1.481	-1.492		6.536
406	-1.482	-1.493		

# HELO 12

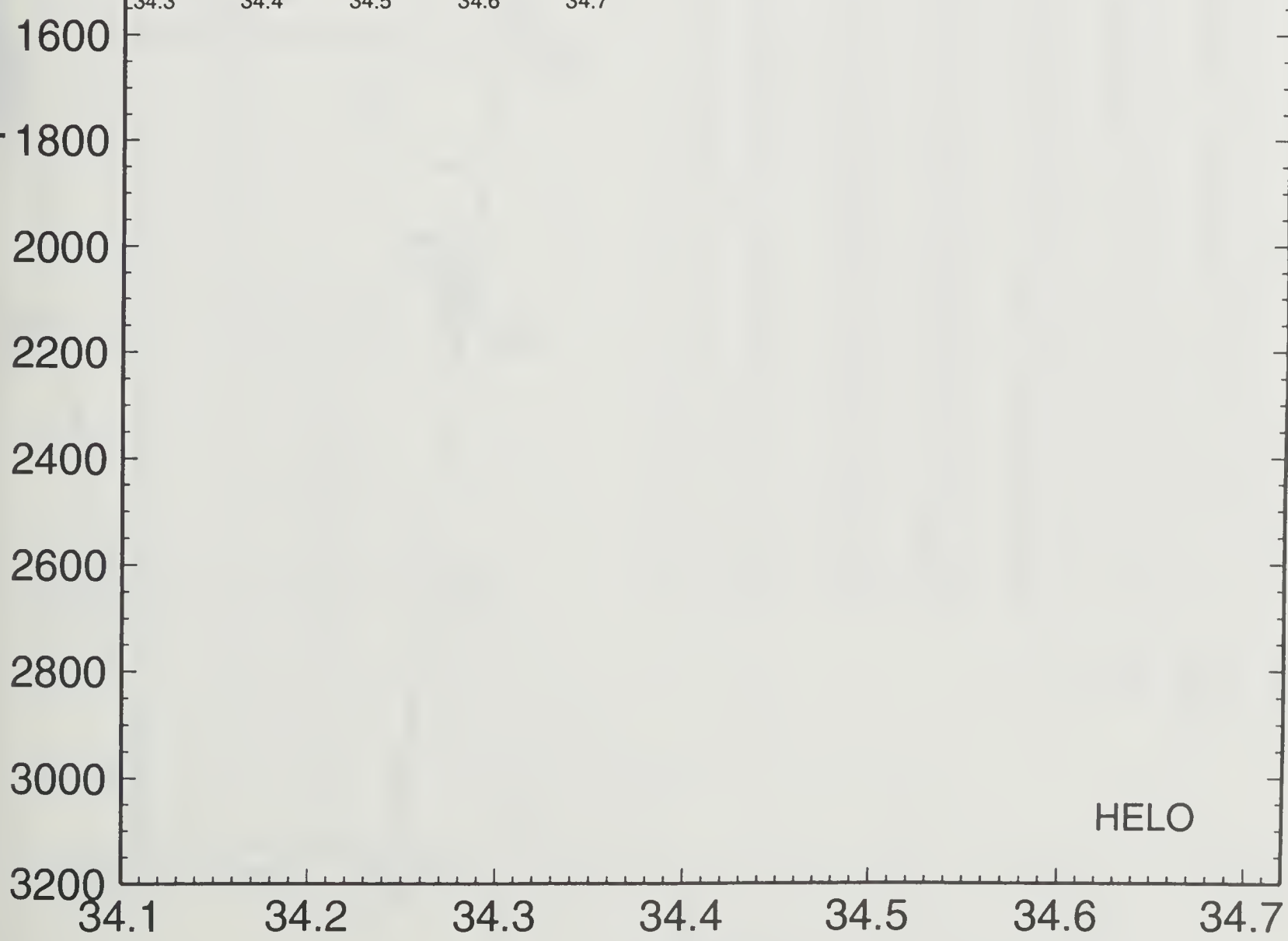


### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



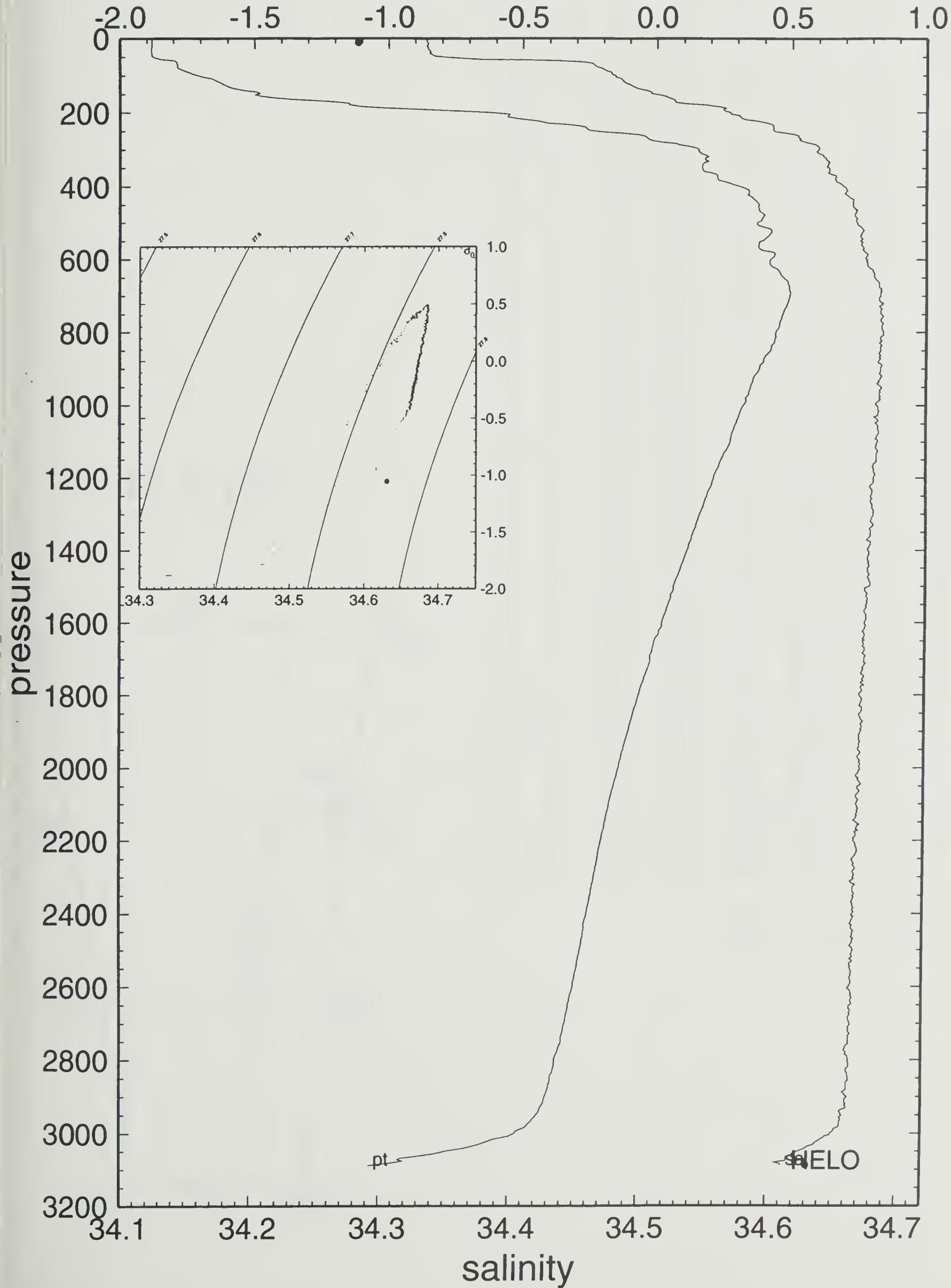
pressure



salinity



### potential temperature



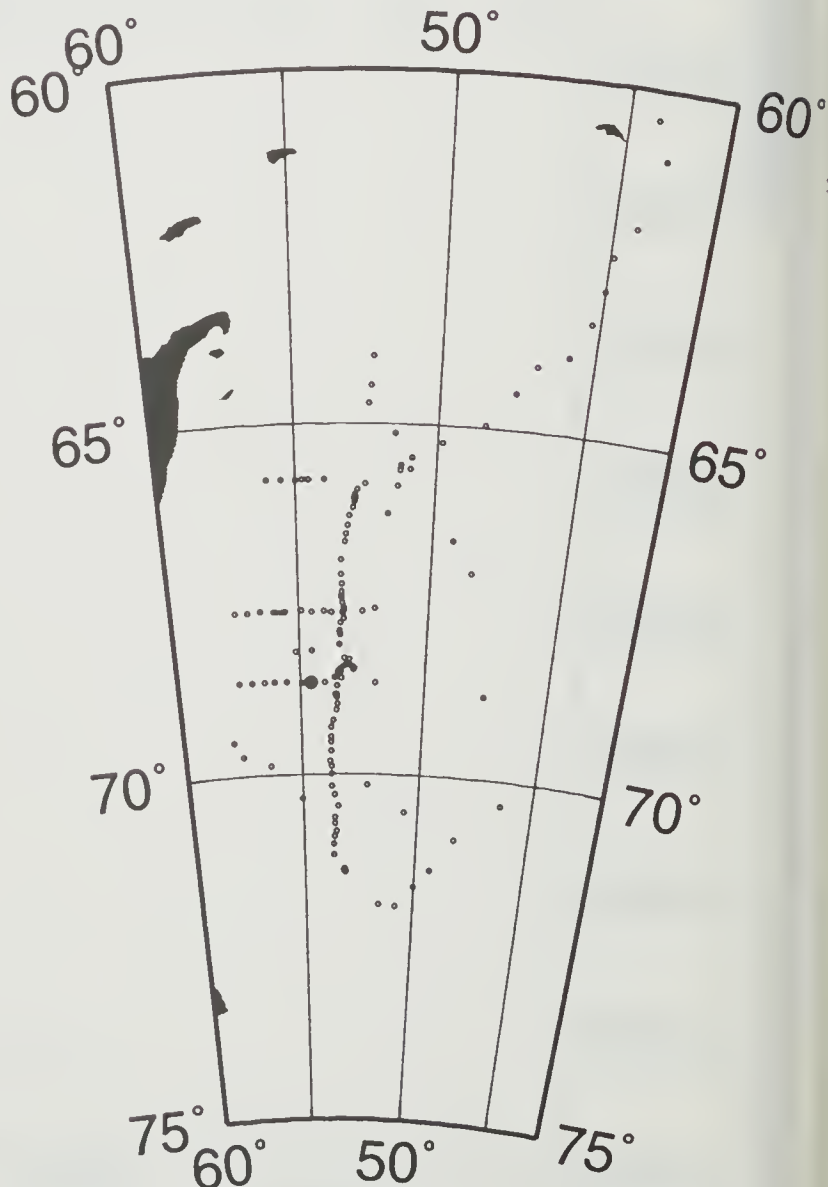
ISW-I -68.6800 -54.5318 92/04/11 102 18:21 HELO STA# 14

bottom depth = 2230

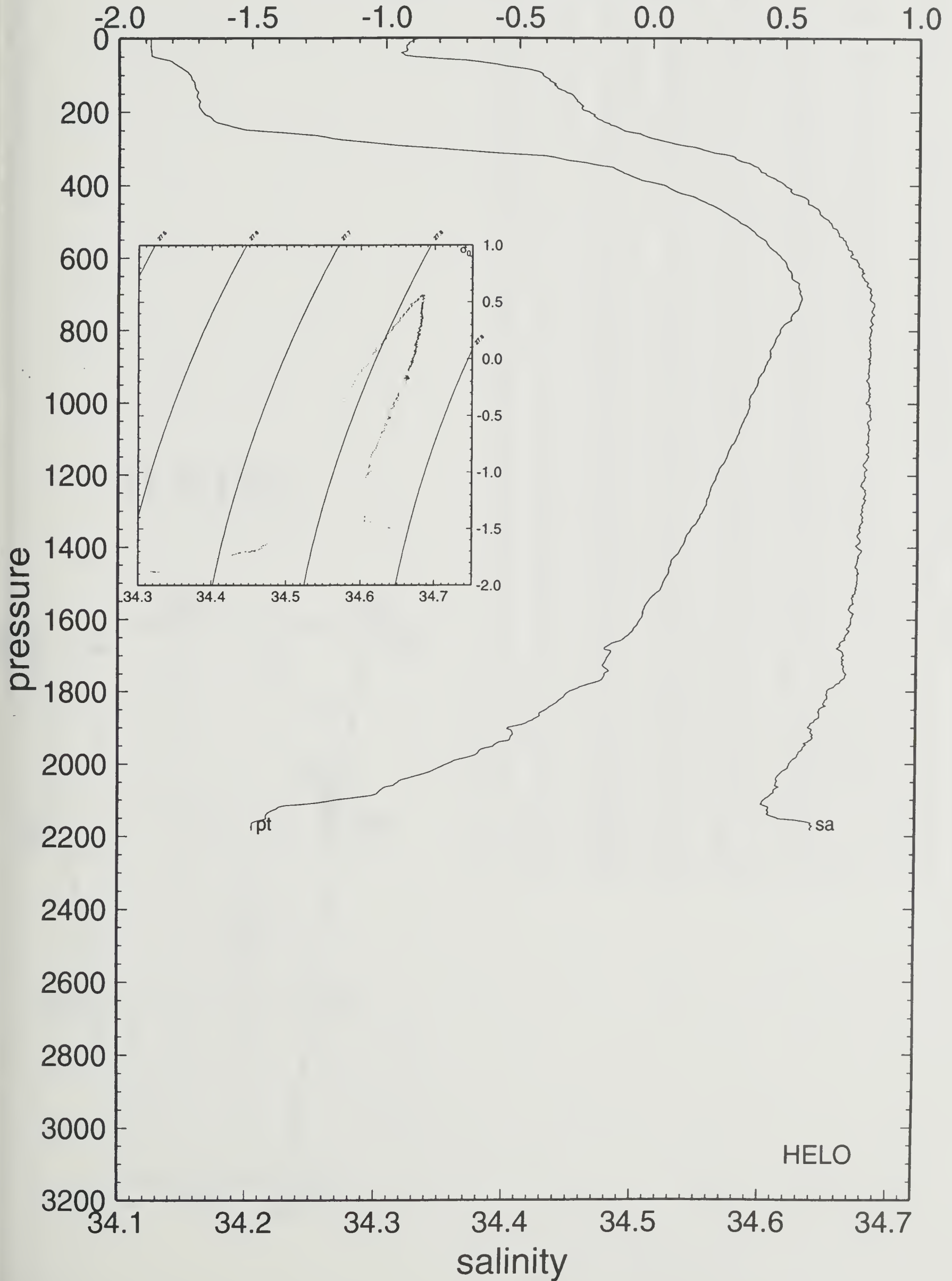
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.882	-1.882	34.332	27.640	32.412	37.077	0.00	44.1
10	-1.882	-1.882	34.326	27.635	32.407	37.072	-1.24	44.5
20	-1.881	-1.881	34.322	27.632	32.404	37.069	-1.01	44.8
30	-1.881	-1.882	34.323	27.633	32.405	37.069	0.51	44.6
40	-1.878	-1.879	34.318	27.629	32.401	37.065	-1.14	45.0
50	-1.871	-1.872	34.326	27.635	32.407	37.071	1.41	44.3
60	-1.810	-1.811	34.367	27.667	32.436	37.098	3.15	41.2
70	-1.789	-1.790	34.388	27.683	32.452	37.113	2.27	39.6
80	-1.763	-1.765	34.408	27.699	32.466	37.127	2.20	38.1
90	-1.744	-1.746	34.423	27.710	32.477	37.137	1.91	37.0
100	-1.729	-1.731	34.428	27.714	32.480	37.140	1.06	36.6
110	-1.724	-1.726	34.432	27.717	32.483	37.142	0.98	36.2
120	-1.713	-1.716	34.436	27.720	32.486	37.144	0.95	35.9
130	-1.711	-1.714	34.438	27.722	32.487	37.146	0.70	35.7
140	-1.705	-1.708	34.442	27.725	32.490	37.149	0.98	35.3
150	-1.701	-1.704	34.448	27.730	32.495	37.153	1.22	34.8
160	-1.703	-1.706	34.452	27.733	32.498	37.156	1.02	34.5
170	-1.691	-1.695	34.454	27.734	32.499	37.157	0.62	34.3
180	-1.695	-1.699	34.457	27.737	32.502	37.160	0.90	34.0
190	-1.690	-1.694	34.458	27.737	32.502	37.160	0.45	33.9
200	-1.680	-1.684	34.463	27.741	32.506	37.163	1.08	33.5
210	-1.661	-1.666	34.467	27.744	32.508	37.165	0.90	33.2
220	-1.642	-1.647	34.470	27.746	32.509	37.165	0.74	32.9
230	-1.617	-1.622	34.477	27.751	32.513	37.169	1.22	32.4
240	-1.569	-1.575	34.484	27.755	32.516	37.170	1.10	32.0
250	-1.488	-1.494	34.490	27.757	32.516	37.167	0.74	31.8
260	-1.316	-1.323	34.503	27.762	32.515	37.161	1.05	31.4
270	-1.204	-1.211	34.510	27.764	32.514	37.156	0.52	31.3
280	-1.104	-1.112	34.521	27.769	32.516	37.155	1.18	30.9
290	-0.971	-0.980	34.534	27.775	32.517	37.152	1.16	30.4
300	-0.792	-0.801	34.549	27.780	32.516	37.146	1.02	30.1
325	-0.354	-0.365	34.577	27.783	32.506	37.123	-0.36	30.1
350	-0.160	-0.173	34.593	27.787	32.504	37.114	0.43	30.0
375	-0.070	-0.084	34.603	27.790	32.504	37.113	0.57	29.7
400	0.055	0.039	34.616	27.794	32.505	37.109	0.56	29.4
425	0.131	0.114	34.624	27.797	32.505	37.107	0.43	29.3
450	0.221	0.203	34.634	27.800	32.505	37.105	0.50	29.1
475	0.289	0.269	34.643	27.803	32.507	37.104	0.57	28.9
500	0.344	0.323	34.650	27.806	32.508	37.104	0.47	28.7
550	0.445	0.421	34.662	27.810	32.509	37.102	0.39	28.6
600	0.512	0.485	34.669	27.812	32.509	37.100	0.21	28.5
650	0.553	0.523	34.676	27.815	32.511	37.101	0.40	28.4
700	0.588	0.556	34.684	27.820	32.514	37.103	0.49	28.1
750	0.569	0.534	34.685	27.822	32.517	37.107	0.40	27.9
800	0.519	0.482	34.684	27.824	32.521	37.112	0.47	27.6
850	0.489	0.449	34.682	27.824	32.522	37.114	0.26	27.6
900	0.469	0.427	34.682	27.826	32.524	37.117	0.35	27.5
950	0.443	0.398	34.682	27.827	32.527	37.120	0.39	27.3
1000	0.416	0.368	34.680	27.827	32.528	37.122	0.25	27.3
1100	0.370	0.317	34.682	27.832	32.534	37.130	0.44	26.8
1200	0.303	0.245	34.679	27.834	32.538	37.136	0.36	26.5
1300	0.256	0.192	34.678	27.836	32.541	37.141	0.36	26.2
1400	0.181	0.112	34.674	27.837	32.545	37.147	0.37	25.8
1500	0.117	0.043	34.674	27.841	32.551	37.155	0.46	25.2
1600	0.039	-0.041	34.669	27.841	32.554	37.160	0.36	24.9
1700	-0.073	-0.158	34.664	27.843	32.559	37.169	0.49	24.2
1800	-0.213	-0.302	34.651	27.840	32.560	37.174	0.37	23.7
1900	-0.439	-0.531	34.636	27.839	32.566	37.187	0.60	22.6
2000	-0.664	-0.759	34.622	27.837	32.572	37.200	0.62	21.3
2100	-1.077	-1.172	34.603	27.838	32.585	37.226	0.91	18.6
2180	-1.399	-1.493	34.638	27.878	32.635	37.285	1.52	12.8

PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.882	-1.882		
2183	-1.400	-1.495	34.946	8.080
2184	-1.400	-1.495	34.931	7.795

# HELO 14



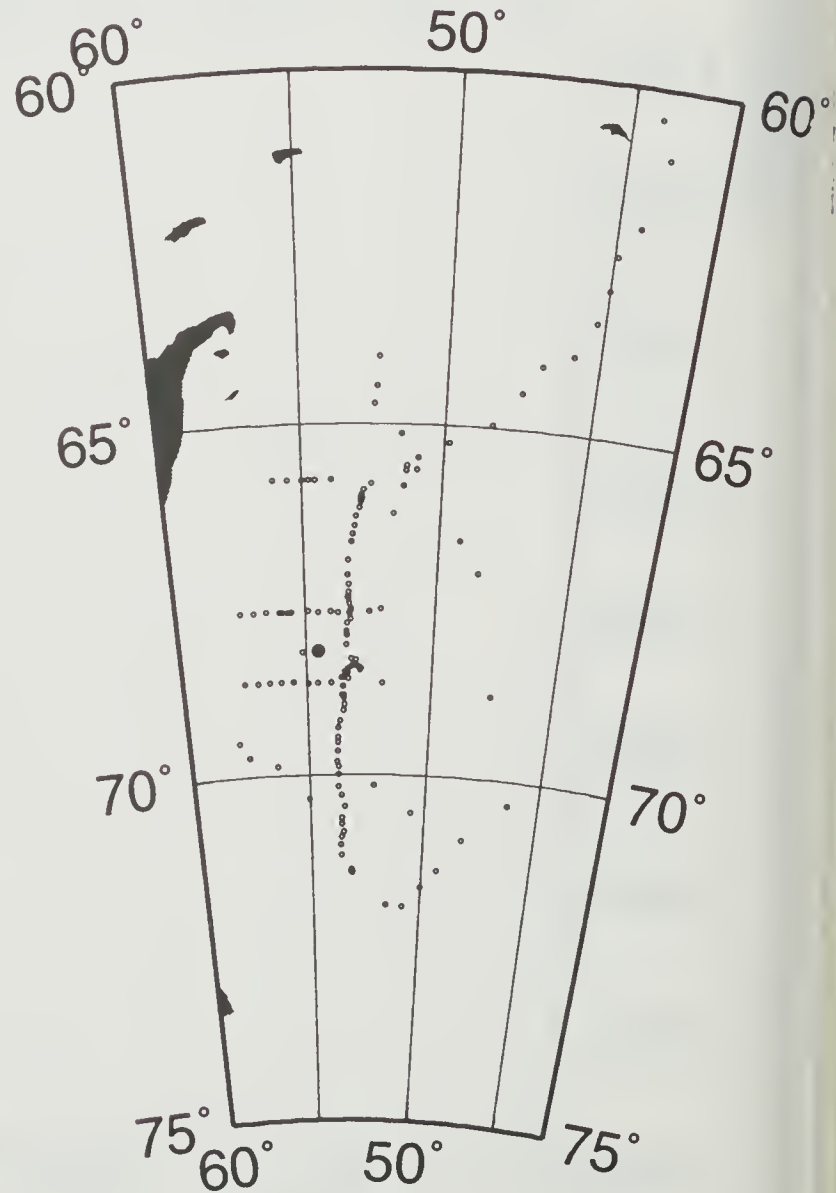
### potential temperature



ISW-I -68.2243 -54.4970 92/04/20 111 15:25 HELO STA# 15  
 bottom depth = 2214

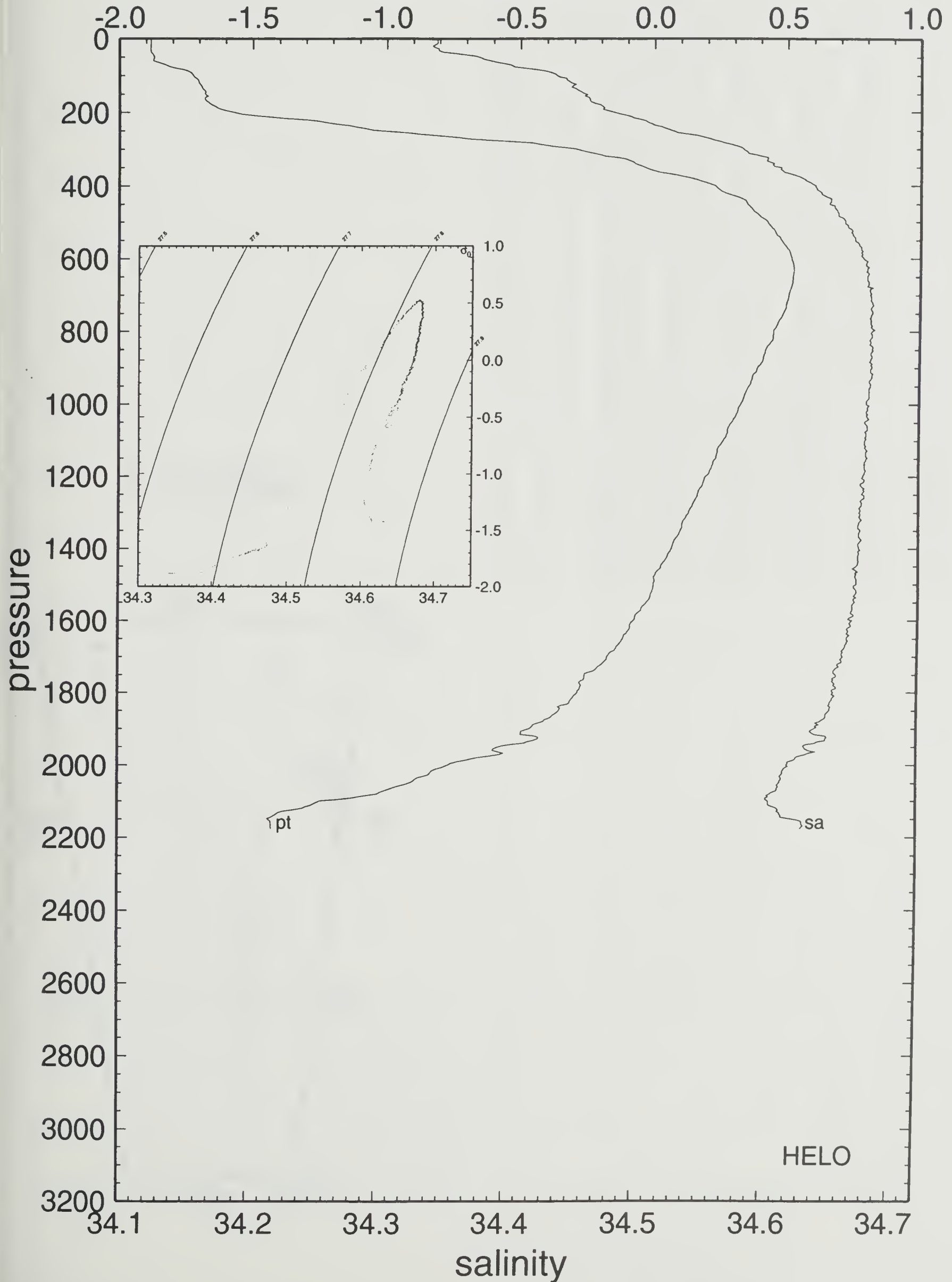
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.885	-1.885	34.319	27.630	32.402	37.067	0.00	45.1
10	-1.883	-1.883	34.346	27.651	32.423	37.088	2.62	43.0
20	-1.883	-1.883	34.342	27.648	32.420	37.085	-1.01	43.2
30	-1.883	-1.884	34.347	27.652	32.424	37.089	1.13	42.8
40	-1.877	-1.878	34.360	27.663	32.434	37.099	1.81	41.7
50	-1.870	-1.871	34.378	27.677	32.448	37.112	2.13	40.3
60	-1.874	-1.875	34.387	27.685	32.456	37.120	1.53	39.5
70	-1.833	-1.834	34.399	27.693	32.463	37.126	1.64	38.7
80	-1.787	-1.789	34.413	27.703	32.472	37.133	1.77	37.7
90	-1.737	-1.739	34.431	27.717	32.483	37.143	2.03	36.4
100	-1.722	-1.724	34.438	27.722	32.488	37.147	1.28	35.8
110	-1.706	-1.708	34.445	27.727	32.493	37.151	1.27	35.3
120	-1.699	-1.702	34.449	27.730	32.496	37.154	0.97	34.9
130	-1.689	-1.692	34.450	27.731	32.496	37.153	0.39	34.8
140	-1.677	-1.680	34.454	27.734	32.498	37.156	0.95	34.5
150	-1.675	-1.678	34.459	27.738	32.502	37.159	1.12	34.1
160	-1.676	-1.679	34.462	27.740	32.505	37.162	0.88	33.8
170	-1.667	-1.671	34.464	27.742	32.506	37.163	0.64	33.6
180	-1.647	-1.651	34.471	27.747	32.510	37.166	1.25	33.1
190	-1.618	-1.622	34.473	27.748	32.510	37.165	0.44	33.0
200	-1.565	-1.570	34.481	27.752	32.513	37.167	1.20	32.5
210	-1.459	-1.464	34.493	27.759	32.516	37.167	1.34	31.9
220	-1.296	-1.302	34.502	27.761	32.513	37.158	0.50	31.8
230	-1.194	-1.200	34.509	27.763	32.512	37.154	0.66	31.6
240	-1.108	-1.115	34.518	27.767	32.513	37.153	1.05	31.2
250	-1.012	-1.019	34.527	27.771	32.514	37.151	0.96	30.9
260	-0.865	-0.873	34.538	27.774	32.513	37.145	0.78	30.7
270	-0.704	-0.712	34.554	27.780	32.514	37.141	1.24	30.2
280	-0.518	-0.527	34.564	27.780	32.508	37.130	-0.72	30.3
290	-0.398	-0.408	34.575	27.784	32.508	37.126	0.85	30.1
300	-0.286	-0.297	34.582	27.784	32.505	37.119	-0.46	30.1
325	-0.117	-0.129	34.601	27.791	32.506	37.116	0.82	29.6
350	-0.027	-0.040	34.609	27.793	32.506	37.112	0.35	29.5
375	0.120	0.105	34.625	27.798	32.506	37.109	0.67	29.2
400	0.243	0.227	34.638	27.802	32.506	37.105	0.54	29.0
425	0.302	0.284	34.644	27.803	32.506	37.103	0.33	28.9
450	0.367	0.348	34.649	27.804	32.505	37.100	-0.24	28.9
475	0.401	0.381	34.656	27.807	32.507	37.102	0.64	28.7
500	0.446	0.424	34.661	27.809	32.508	37.101	0.32	28.6
550	0.502	0.478	34.669	27.812	32.509	37.101	0.39	28.4
600	0.543	0.516	34.676	27.816	32.511	37.102	0.41	28.2
650	0.552	0.522	34.679	27.818	32.513	37.103	0.34	28.1
700	0.539	0.507	34.681	27.820	32.516	37.107	0.42	27.9
750	0.521	0.486	34.683	27.823	32.520	37.111	0.45	27.7
800	0.487	0.450	34.683	27.825	32.523	37.115	0.43	27.5
850	0.461	0.421	34.683	27.827	32.525	37.118	0.38	27.3
900	0.433	0.391	34.683	27.829	32.528	37.122	0.40	27.1
950	0.404	0.359	34.682	27.830	32.530	37.125	0.34	27.0
1000	0.375	0.328	34.679	27.829	32.530	37.126	0.14	27.0
1100	0.315	0.263	34.678	27.832	32.535	37.133	0.39	26.6
1200	0.256	0.198	34.677	27.835	32.540	37.139	0.39	26.2
1300	0.199	0.136	34.674	27.836	32.543	37.144	0.32	26.0
1400	0.142	0.074	34.674	27.839	32.548	37.151	0.43	25.5
1500	0.080	0.006	34.672	27.841	32.552	37.157	0.39	25.1
1600	0.011	-0.068	34.669	27.843	32.556	37.163	0.39	24.6
1700	-0.083	-0.167	34.662	27.842	32.558	37.168	0.37	24.2
1800	-0.187	-0.276	34.655	27.842	32.561	37.175	0.42	23.7
1900	-0.360	-0.453	34.640	27.838	32.563	37.182	0.44	23.0
2000	-0.659	-0.754	34.619	27.835	32.569	37.197	0.67	21.6
2100	-1.144	-1.238	34.605	27.842	32.592	37.234	1.08	17.8
2175	-1.327	-1.422	34.630	27.869	32.624	37.272	1.26	14.1

## HELO 15





### potential temperature

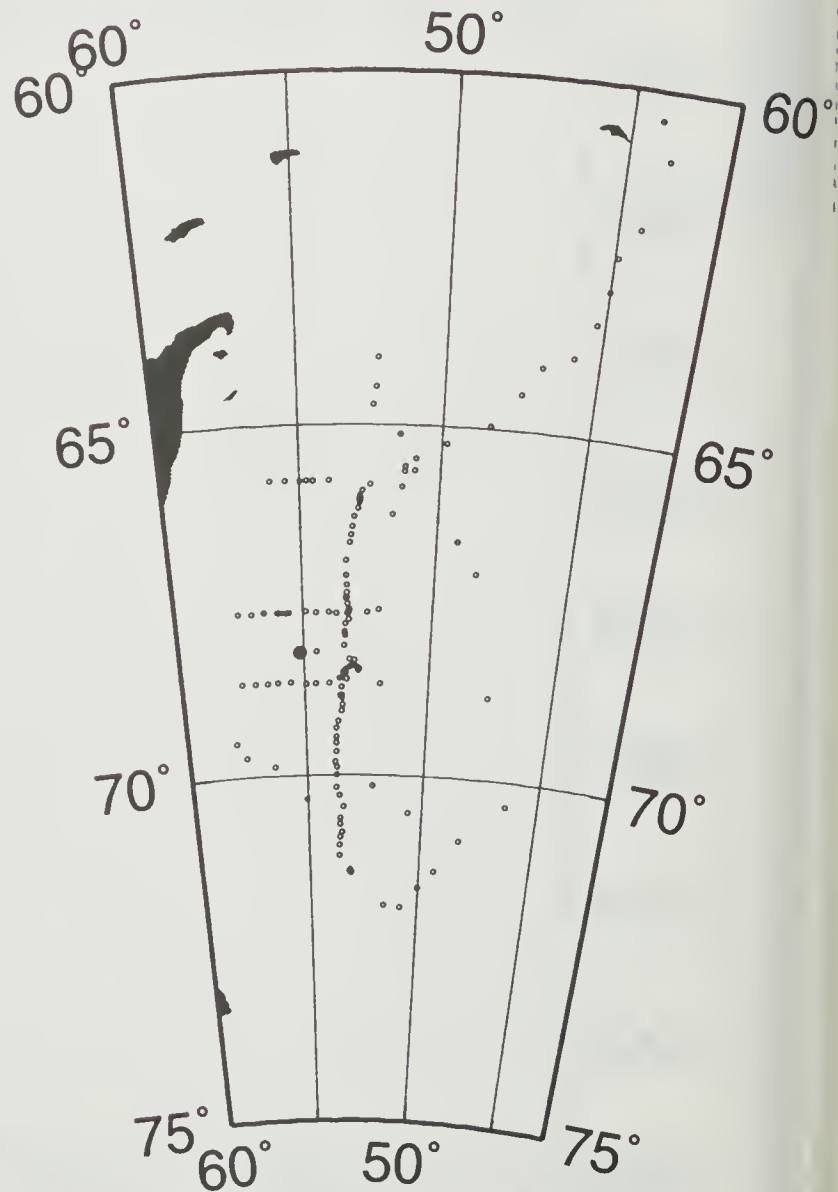


ISW-I -68.2425 -55.1440 92/04/20 111 18:00 HELO STA# 16

bottom depth =

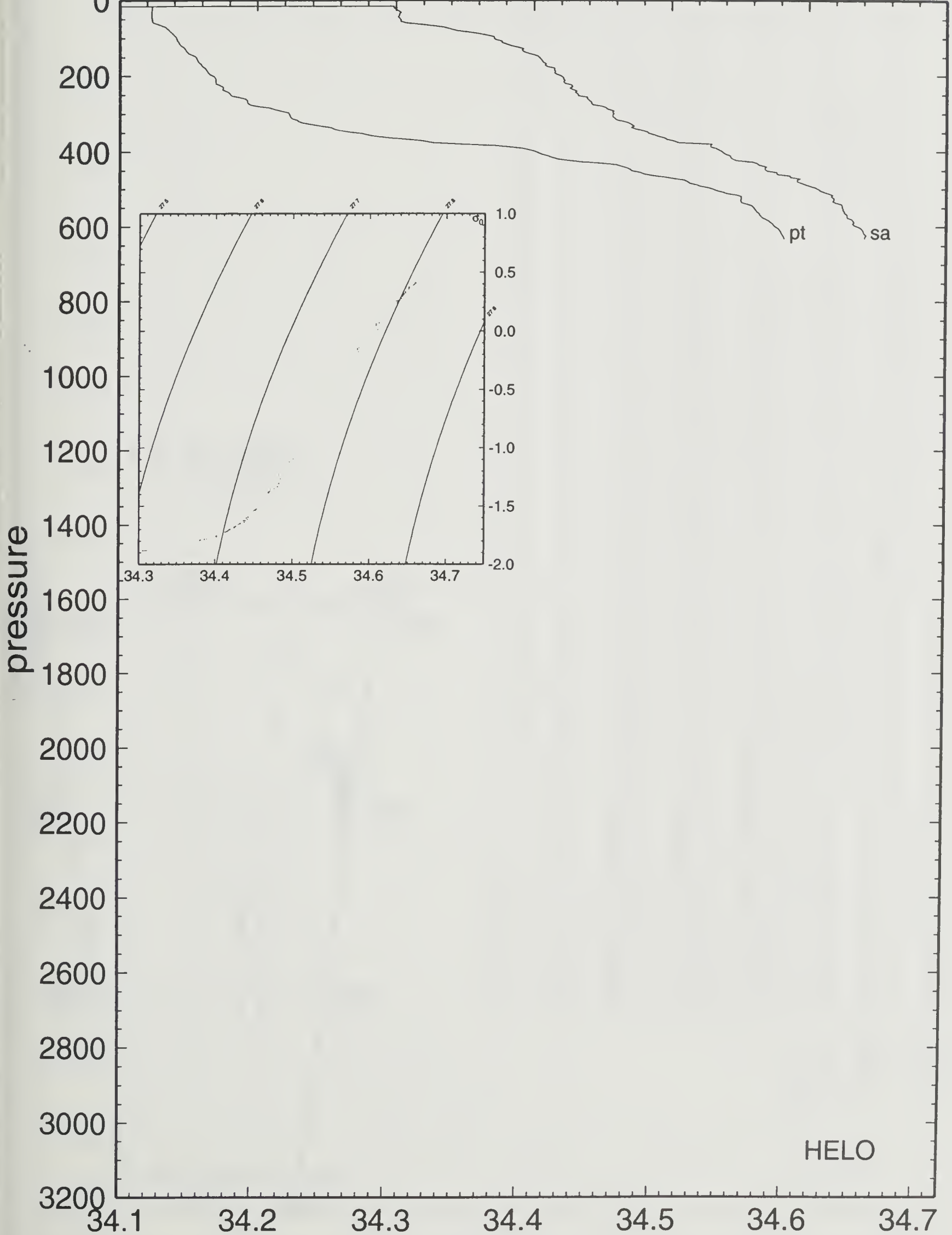
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.885							
10	-1.883							
20	-1.882	-1.882	34.305	27.618	32.390	37.055	65.93	46.1
30	-1.882	-1.883	34.309	27.621	32.394	37.058	1.01	45.7
40	-1.882	-1.883	34.309	27.621	32.394	37.058	0.04	45.6
50	-1.881	-1.882	34.310	27.622	32.394	37.059	0.50	45.5
60	-1.875	-1.876	34.314	27.625	32.397	37.062	0.98	45.2
70	-1.839	-1.840	34.339	27.645	32.415	37.079	2.46	43.3
80	-1.819	-1.821	34.352	27.655	32.425	37.087	1.77	42.3
90	-1.803	-1.805	34.371	27.670	32.439	37.101	2.16	40.8
100	-1.792	-1.794	34.380	27.677	32.446	37.107	1.48	40.1
110	-1.785	-1.787	34.386	27.681	32.450	37.111	1.21	39.6
120	-1.774	-1.776	34.393	27.687	32.455	37.116	1.29	39.0
130	-1.759	-1.762	34.402	27.694	32.461	37.122	1.46	38.3
140	-1.747	-1.750	34.406	27.697	32.464	37.124	0.95	38.0
150	-1.720	-1.723	34.413	27.702	32.468	37.127	1.23	37.4
160	-1.714	-1.717	34.416	27.704	32.470	37.129	0.84	37.2
170	-1.701	-1.705	34.418	27.705	32.471	37.129	0.61	37.0
180	-1.686	-1.690	34.425	27.710	32.476	37.133	1.27	36.5
190	-1.676	-1.680	34.425	27.710	32.475	37.133	-0.32	36.4
200	-1.656	-1.660	34.430	27.714	32.478	37.135	1.03	36.1
210	-1.647	-1.652	34.432	27.715	32.479	37.135	0.64	35.9
220	-1.646	-1.651	34.433	27.716	32.480	37.136	0.50	35.8
230	-1.619	-1.624	34.438	27.719	32.482	37.138	0.98	35.4
240	-1.609	-1.615	34.442	27.722	32.485	37.140	0.95	35.1
250	-1.589	-1.595	34.443	27.722	32.484	37.139	0.15	35.0
260	-1.538	-1.544	34.450	27.726	32.487	37.140	1.08	34.6
270	-1.529	-1.536	34.453	27.729	32.489	37.141	0.81	34.4
280	-1.489	-1.496	34.461	27.734	32.493	37.144	1.24	33.9
290	-1.419	-1.426	34.467	27.737	32.493	37.142	0.79	33.6
300	-1.377	-1.385	34.470	27.738	32.493	37.141	0.46	33.5
325	-1.321	-1.330	34.481	27.745	32.498	37.144	0.90	32.8
350	-1.136	-1.146	34.495	27.750	32.497	37.138	0.60	32.4
375	-0.863	-0.875	34.518	27.758	32.497	37.129	0.80	31.9
400	-0.480	-0.494	34.552	27.769	32.496	37.117	0.90	31.2
425	-0.347	-0.362	34.566	27.774	32.497	37.114	0.66	30.8
450	-0.130	-0.147	34.585	27.779	32.495	37.105	0.48	30.6
475	0.056	0.037	34.609	27.789	32.499	37.104	0.95	30.0
500	0.173	0.152	34.624	27.795	32.502	37.103	0.72	29.6
550	0.326	0.302	34.643	27.801	32.504	37.100	0.53	29.2
600	0.405	0.379	34.654	27.806	32.506	37.100	0.44	28.9
630	0.439	0.411	34.659	27.808	32.507	37.101	0.40	28.8

# HELO 16



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



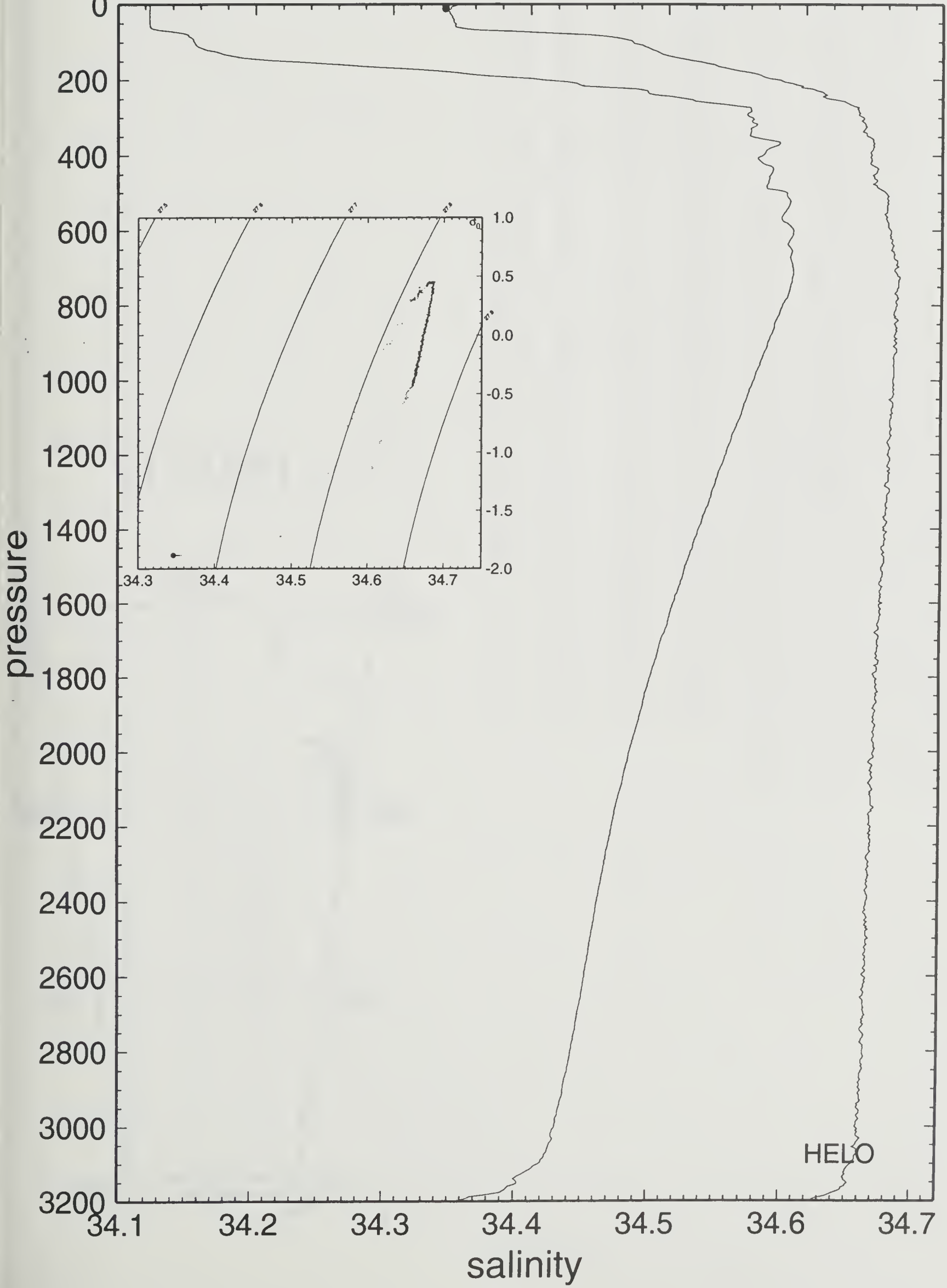
HELO

salinity



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



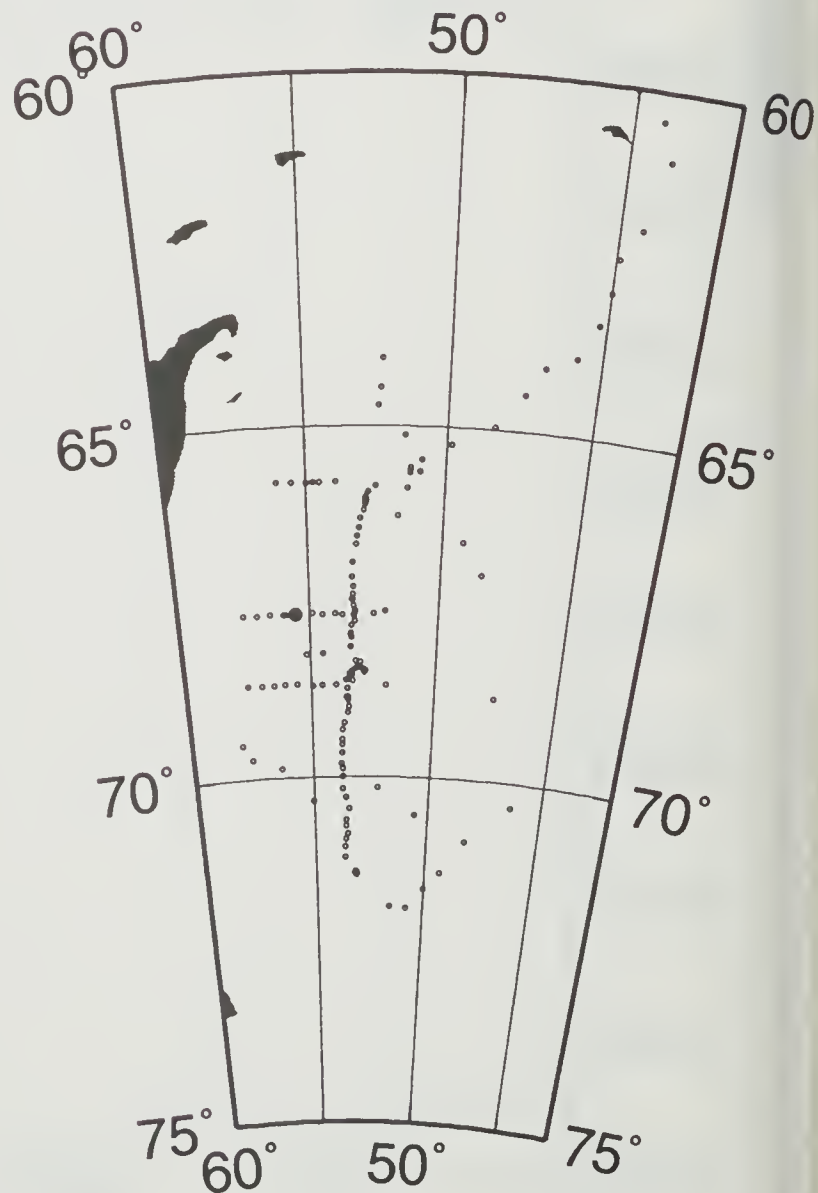
ISW-I -67.6683 -55.5108 92/05/04 125 14:24 HELO STA# 18

bottom depth = 1307

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.879	-1.879	34.338	27.645	32.417	37.081	0.00	43.7
10	-1.880	-1.880	34.335	27.642	32.414	37.079	-0.87	43.8
20	-1.880	-1.880	34.333	27.641	32.413	37.077	-0.71	43.9
30	-1.880	-1.881	34.335	27.642	32.414	37.079	0.71	43.7
40	-1.880	-1.881	34.337	27.644	32.416	37.081	0.71	43.5
50	-1.865	-1.866	34.349	27.653	32.425	37.089	1.71	42.6
60	-1.849	-1.850	34.365	27.666	32.437	37.100	1.98	41.3
70	-1.825	-1.826	34.380	27.678	32.447	37.110	1.90	40.1
80	-1.783	-1.785	34.394	27.688	32.456	37.117	1.78	39.1
90	-1.747	-1.749	34.407	27.698	32.465	37.124	1.72	38.2
100	-1.720	-1.722	34.411	27.700	32.466	37.125	0.87	37.9
110	-1.707	-1.709	34.415	27.703	32.469	37.127	0.94	37.6
120	-1.694	-1.697	34.418	27.705	32.470	37.128	0.80	37.3
130	-1.689	-1.692	34.419	27.706	32.471	37.129	0.45	37.2
140	-1.688	-1.691	34.422	27.708	32.473	37.131	0.87	36.9
150	-1.694	-1.697	34.428	27.713	32.478	37.136	1.26	36.4
160	-1.685	-1.688	34.432	27.716	32.481	37.139	0.96	36.0
170	-1.674	-1.678	34.436	27.719	32.484	37.141	0.95	35.7
180	-1.655	-1.659	34.441	27.723	32.487	37.143	1.03	35.3
190	-1.647	-1.651	34.443	27.724	32.488	37.144	0.65	35.2
200	-1.616	-1.621	34.449	27.728	32.491	37.146	1.09	34.7
210	-1.566	-1.571	34.455	27.731	32.492	37.146	0.98	34.4
220	-1.549	-1.554	34.457	27.732	32.493	37.146	0.56	34.3
230	-1.536	-1.541	34.460	27.735	32.495	37.148	0.78	34.0
240	-1.517	-1.523	34.465	27.738	32.498	37.150	1.02	33.7
250	-1.470	-1.476	34.472	27.742	32.500	37.151	1.10	33.3
260	-1.400	-1.407	34.479	27.746	32.501	37.150	0.95	32.9
270	-1.344	-1.351	34.486	27.750	32.503	37.150	1.02	32.6
280	-1.261	-1.268	34.493	27.752	32.504	37.148	0.82	32.3
290	-1.211	-1.219	34.497	27.754	32.504	37.146	0.57	32.2
300	-1.148	-1.156	34.502	27.756	32.503	37.144	0.62	32.0
325	-1.014	-1.024	34.514	27.760	32.504	37.141	0.66	31.6
350	-0.785	-0.796	34.539	27.772	32.508	37.138	1.04	30.7
375	-0.410	-0.423	34.569	27.779	32.504	37.122	0.67	30.3
400	-0.212	-0.227	34.589	27.786	32.505	37.117	0.73	29.9
425	0.019	0.002	34.609	27.790	32.502	37.108	0.43	29.7
450	0.141	0.123	34.620	27.793	32.501	37.103	0.32	29.7
475	0.184	0.165	34.630	27.799	32.505	37.106	0.80	29.2
500	0.300	0.279	34.642	27.802	32.505	37.102	0.44	29.0
550	0.377	0.353	34.650	27.804	32.505	37.100	0.25	29.0
600	0.334	0.308	34.650	27.807	32.509	37.105	0.46	28.7
650	0.289	0.261	34.653	27.812	32.515	37.113	0.61	28.2
700	0.239	0.209	34.654	27.816	32.521	37.120	0.55	27.8
750	0.138	0.106	34.651	27.819	32.527	37.129	0.58	27.3
800	0.035	0.001	34.648	27.822	32.533	37.139	0.59	26.7
850	-0.040	-0.076	34.644	27.823	32.537	37.144	0.41	26.5
900	-0.178	-0.216	34.632	27.820	32.538	37.150	0.27	26.3
950	-0.345	-0.384	34.630	27.827	32.550	37.167	0.84	25.2
1000	-0.371	-0.412	34.629	27.827	32.551	37.169	0.29	25.0
1100	-0.715	-0.758	34.619	27.835	32.569	37.197	0.76	23.2
1200	-1.022	-1.067	34.611	27.841	32.585	37.222	0.73	21.3
1280	-1.229	-1.276	34.620	27.856	32.606	37.250	0.94	18.9

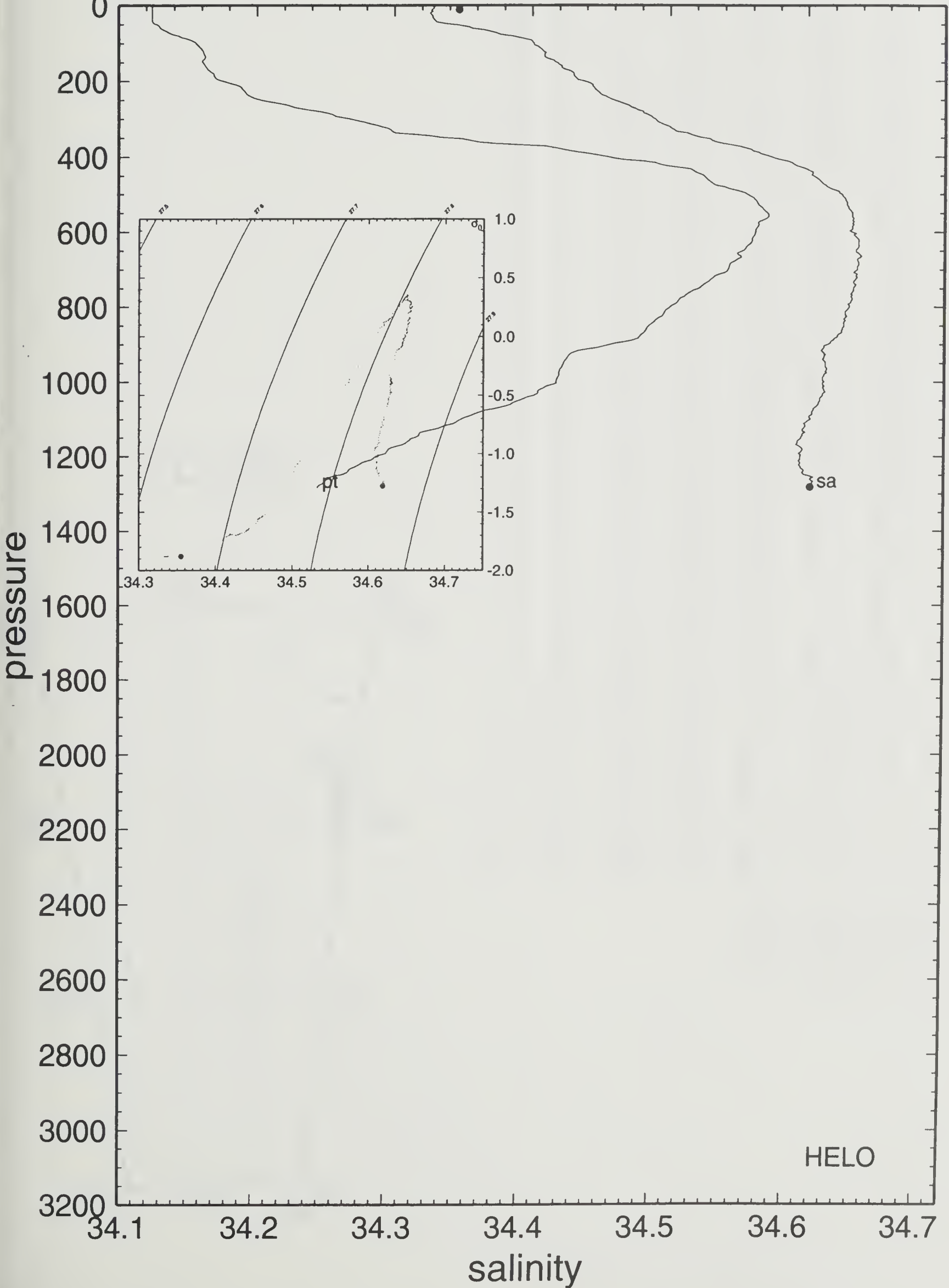
PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.880	-1.880	34.355	7.239
1283	-1.230	-1.277	34.619	6.827

# HELO 18



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



HELO

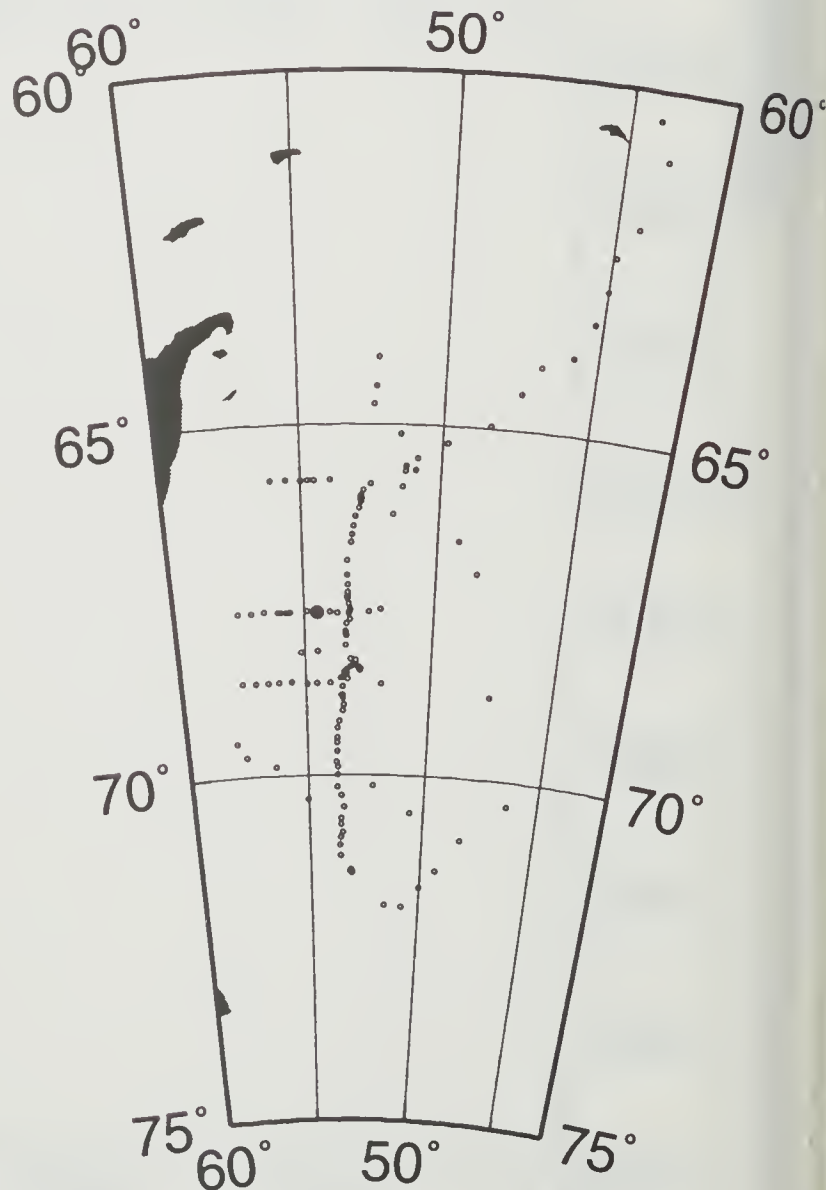
ISW-I -67.6723 -54.4935 92/05/04 125 16:06 HELO STA# 19

bottom depth = 2275

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.884	-1.884	34.394	27.691	32.462	37.126	0.00	39.4
10	-1.884	-1.884	34.390	27.687	32.459	37.123	-1.01	39.6
20	-1.883	-1.883	34.387	27.685	32.456	37.121	-0.88	39.8
30	-1.882	-1.883	34.391	27.688	32.460	37.124	1.01	39.4
40	-1.881	-1.882	34.391	27.688	32.460	37.124	-0.08	39.3
50	-1.874	-1.875	34.394	27.690	32.462	37.125	0.84	39.1
60	-1.853	-1.854	34.403	27.697	32.468	37.131	1.45	38.4
70	-1.822	-1.823	34.414	27.705	32.475	37.137	1.59	37.5
80	-1.775	-1.777	34.424	27.712	32.480	37.140	1.45	36.8
90	-1.731	-1.733	34.437	27.721	32.488	37.147	1.70	35.9
100	-1.715	-1.717	34.443	27.726	32.492	37.150	1.17	35.4
110	-1.700	-1.702	34.449	27.730	32.496	37.154	1.17	35.0
120	-1.689	-1.692	34.450	27.731	32.496	37.153	0.38	34.9
130	-1.678	-1.681	34.452	27.732	32.497	37.154	0.63	34.7
140	-1.674	-1.677	34.456	27.735	32.500	37.157	0.99	34.3
150	-1.685	-1.688	34.458	27.737	32.502	37.160	0.79	34.1
160	-1.707	-1.710	34.460	27.740	32.505	37.163	0.86	33.8
170	-1.710	-1.714	34.463	27.742	32.508	37.166	0.89	33.5
180	-1.710	-1.714	34.466	27.745	32.510	37.168	0.87	33.2
190	-1.704	-1.708	34.466	27.744	32.510	37.168	-0.25	33.2
200	-1.699	-1.703	34.471	27.748	32.513	37.171	1.10	32.8
210	-1.671	-1.676	34.478	27.753	32.517	37.174	1.21	32.3
220	-1.572	-1.577	34.485	27.756	32.517	37.171	0.81	32.0
230	-1.519	-1.525	34.488	27.757	32.516	37.168	0.37	31.9
240	-1.507	-1.513	34.496	27.763	32.522	37.174	1.37	31.3
250	-1.434	-1.440	34.501	27.765	32.521	37.171	0.61	31.2
260	-1.222	-1.229	34.516	27.770	32.520	37.162	1.01	30.8
270	-1.040	-1.048	34.529	27.774	32.518	37.155	0.86	30.6
280	-0.875	-0.883	34.541	27.777	32.516	37.148	0.76	30.4
290	-0.652	-0.661	34.559	27.782	32.514	37.140	1.01	30.0
300	-0.474	-0.484	34.568	27.781	32.508	37.128	-0.84	30.2
325	-0.214	-0.226	34.593	27.789	32.508	37.120	0.82	29.7
350	0.010	-0.003	34.616	27.796	32.508	37.114	0.78	29.2
375	0.218	0.203	34.632	27.798	32.504	37.103	-0.26	29.3
400	0.348	0.331	34.645	27.801	32.503	37.099	0.46	29.1
425	0.394	0.376	34.649	27.802	32.502	37.097	0.10	29.1
450	0.446	0.427	34.654	27.803	32.502	37.095	0.22	29.1
475	0.437	0.417	34.658	27.807	32.506	37.099	0.70	28.8
500	0.476	0.454	34.663	27.809	32.507	37.099	0.40	28.7
550	0.541	0.516	34.672	27.812	32.508	37.098	0.40	28.5
600	0.562	0.535	34.676	27.814	32.510	37.099	0.33	28.4
650	0.572	0.542	34.679	27.816	32.511	37.101	0.34	28.3
700	0.559	0.527	34.682	27.820	32.515	37.105	0.48	28.0
750	0.561	0.526	34.684	27.821	32.517	37.107	0.32	27.9
800	0.546	0.508	34.684	27.822	32.518	37.109	0.30	27.8
850	0.520	0.480	34.683	27.823	32.520	37.111	0.32	27.8
900	0.489	0.446	34.683	27.825	32.523	37.115	0.42	27.6
950	0.442	0.397	34.683	27.828	32.528	37.121	0.51	27.2
1000	0.401	0.353	34.680	27.828	32.529	37.124	0.29	27.1
1100	0.347	0.294	34.679	27.831	32.533	37.130	0.37	26.8
1200	0.283	0.225	34.676	27.832	32.537	37.135	0.35	26.5
1300	0.225	0.162	34.675	27.835	32.541	37.142	0.40	26.1
1400	0.178	0.109	34.674	27.837	32.545	37.147	0.36	25.8
1500	0.120	0.046	34.671	27.838	32.548	37.152	0.34	25.5
1600	0.085	0.005	34.671	27.840	32.551	37.156	0.35	25.2
1700	0.009	-0.077	34.666	27.841	32.554	37.162	0.36	24.8
1800	-0.095	-0.186	34.658	27.840	32.557	37.167	0.39	24.3
1900	-0.213	-0.309	34.650	27.839	32.560	37.174	0.45	23.7
2000	-0.463	-0.561	34.633	27.838	32.566	37.188	0.64	22.4
2100	-0.747	-0.847	34.616	27.836	32.573	37.204	0.72	20.7
2200	-1.239	-1.337	34.601	27.842	32.595	37.240	1.10	16.9
2235	-1.301	-1.401	34.619	27.859	32.613	37.261	1.35	14.9

PRES	TEMPER	POTEMP	SLINTY	OXYG
10	-1.884	-1.884	34.327	7.170
11	-1.884	-1.884	34.350	7.109
11	-1.884	-1.884	34.383	7.115
2234	-1.301	-1.401	34.613	6.856
2235	-1.301	-1.401	34.615	

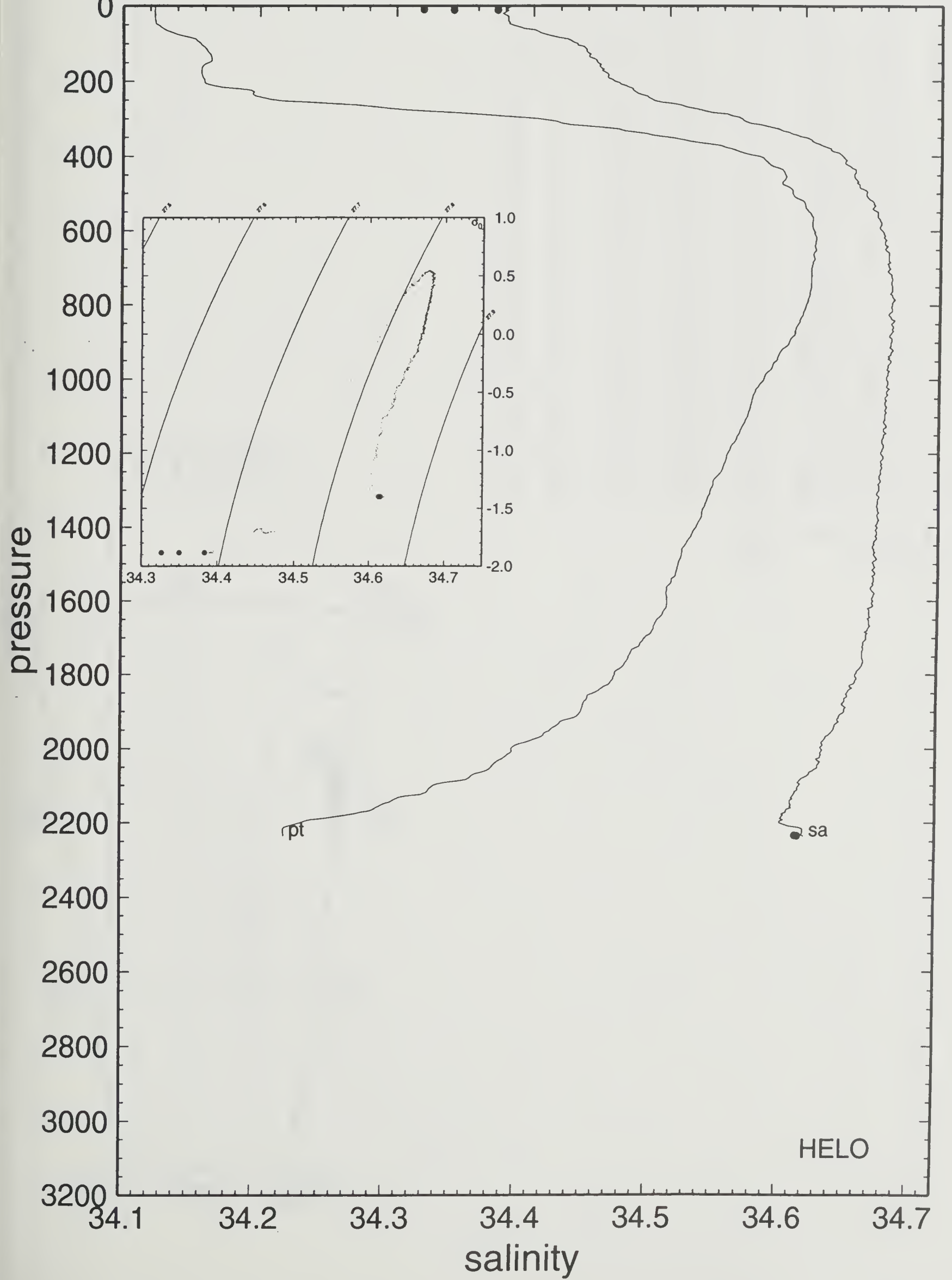
# HELO 19





potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



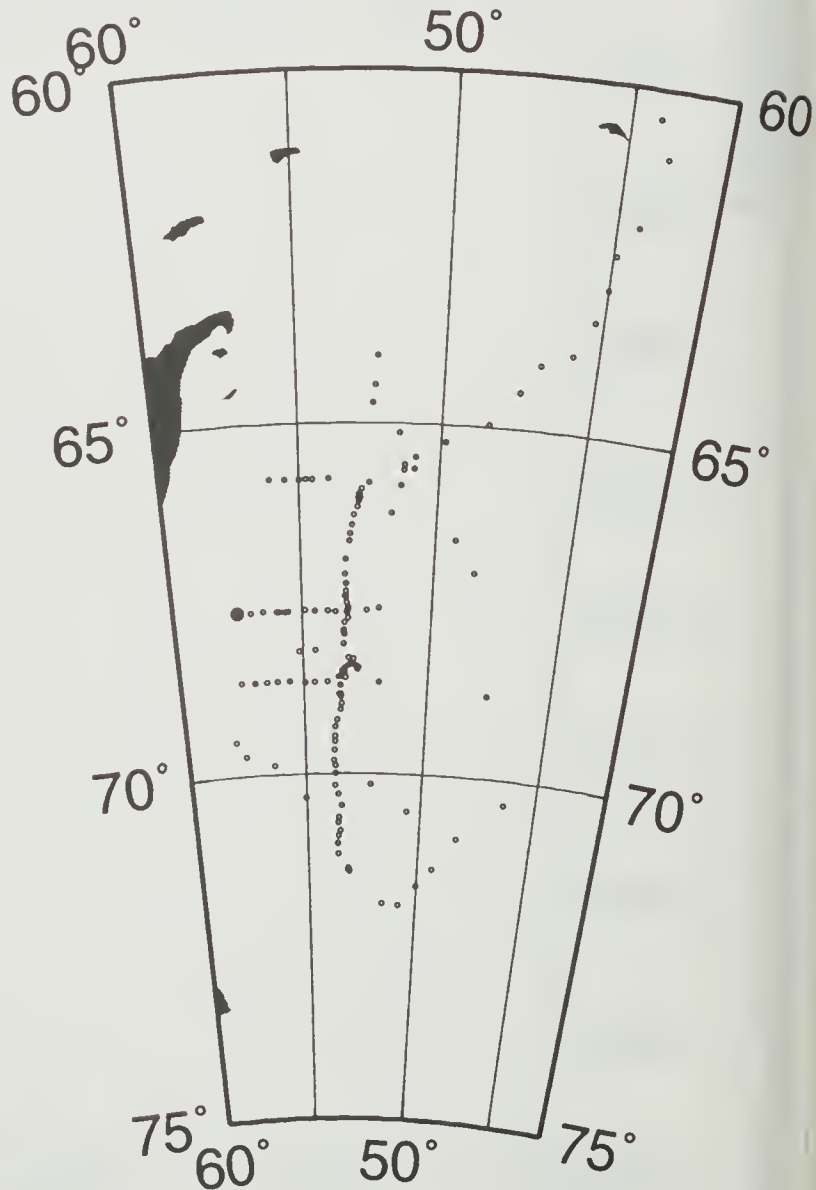
ISW-I -67.6693 -57.5175 92/05/08 129 14:30 HELO STA# 20

bottom depth = 465

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.888	-1.888	34.430	27.720	32.491	37.155	0.00	36.6
10	-1.888	-1.888	34.426	27.717	32.488	37.152	-1.01	36.8
20	-1.888	-1.888	34.425	27.716	32.487	37.151	-0.50	36.8
30	-1.888	-1.889	34.426	27.717	32.488	37.152	0.51	36.7
40	-1.888	-1.889	34.428	27.718	32.490	37.154	0.71	36.5
50	-1.887	-1.888	34.425	27.716	32.487	37.151	-0.88	36.6
60	-1.887	-1.888	34.427	27.718	32.489	37.153	0.71	36.4
70	-1.885	-1.886	34.425	27.716	32.487	37.151	-0.72	36.5
80	-1.885	-1.887	34.425	27.716	32.487	37.151	0.04	36.5
90	-1.877	-1.879	34.433	27.722	32.493	37.157	1.40	35.8
100	-1.798	-1.800	34.468	27.749	32.517	37.178	2.86	33.3
110	-1.753	-1.755	34.493	27.768	32.534	37.193	2.43	31.4
120	-1.741	-1.744	34.500	27.773	32.539	37.198	1.29	30.9
130	-1.731	-1.734	34.507	27.778	32.544	37.203	1.30	30.3
140	-1.724	-1.727	34.514	27.784	32.549	37.208	1.31	29.7
150	-1.730	-1.733	34.522	27.791	32.556	37.214	1.45	29.1
160	-1.734	-1.737	34.524	27.792	32.558	37.216	0.74	28.8
170	-1.743	-1.747	34.529	27.797	32.563	37.221	1.17	28.4
180	-1.760	-1.764	34.534	27.801	32.568	37.227	1.20	27.9
190	-1.755	-1.759	34.535	27.802	32.568	37.227	0.45	27.8
200	-1.738	-1.742	34.540	27.805	32.571	37.230	1.04	27.4
210	-1.735	-1.740	34.543	27.808	32.573	37.232	0.86	27.1
220	-1.738	-1.743	34.546	27.810	32.576	37.234	0.89	26.8
230	-1.735	-1.740	34.549	27.813	32.578	37.237	0.85	26.5
240	-1.747	-1.752	34.552	27.816	32.581	37.240	0.95	26.2
250	-1.748	-1.754	34.553	27.816	32.582	37.241	0.52	26.1
260	-1.748	-1.754	34.557	27.820	32.586	37.244	1.01	25.7
270	-1.742	-1.748	34.562	27.824	32.589	37.248	1.10	25.3
280	-1.753	-1.759	34.564	27.825	32.592	37.250	0.80	25.0
290	-1.791	-1.797	34.566	27.828	32.595	37.255	0.97	24.7
300	-1.831	-1.838	34.571	27.833	32.602	37.263	1.31	24.1
325	-1.831	-1.838	34.590	27.849	32.617	37.278	1.39	22.5
350	-1.764	-1.772	34.597	27.853	32.619	37.278	0.63	22.1
375	-1.821	-1.830	34.613	27.867	32.635	37.296	1.38	20.5
400	-1.886	-1.895	34.642	27.893	32.662	37.325	1.80	17.9
425	-1.884	-1.894	34.642	27.893	32.662	37.324	-0.08	17.8
450	-1.883	-1.893	34.641	27.892	32.661	37.324	-0.32	17.7
455	-1.883	-1.894	34.643	27.893	32.663	37.325	1.01	17.5

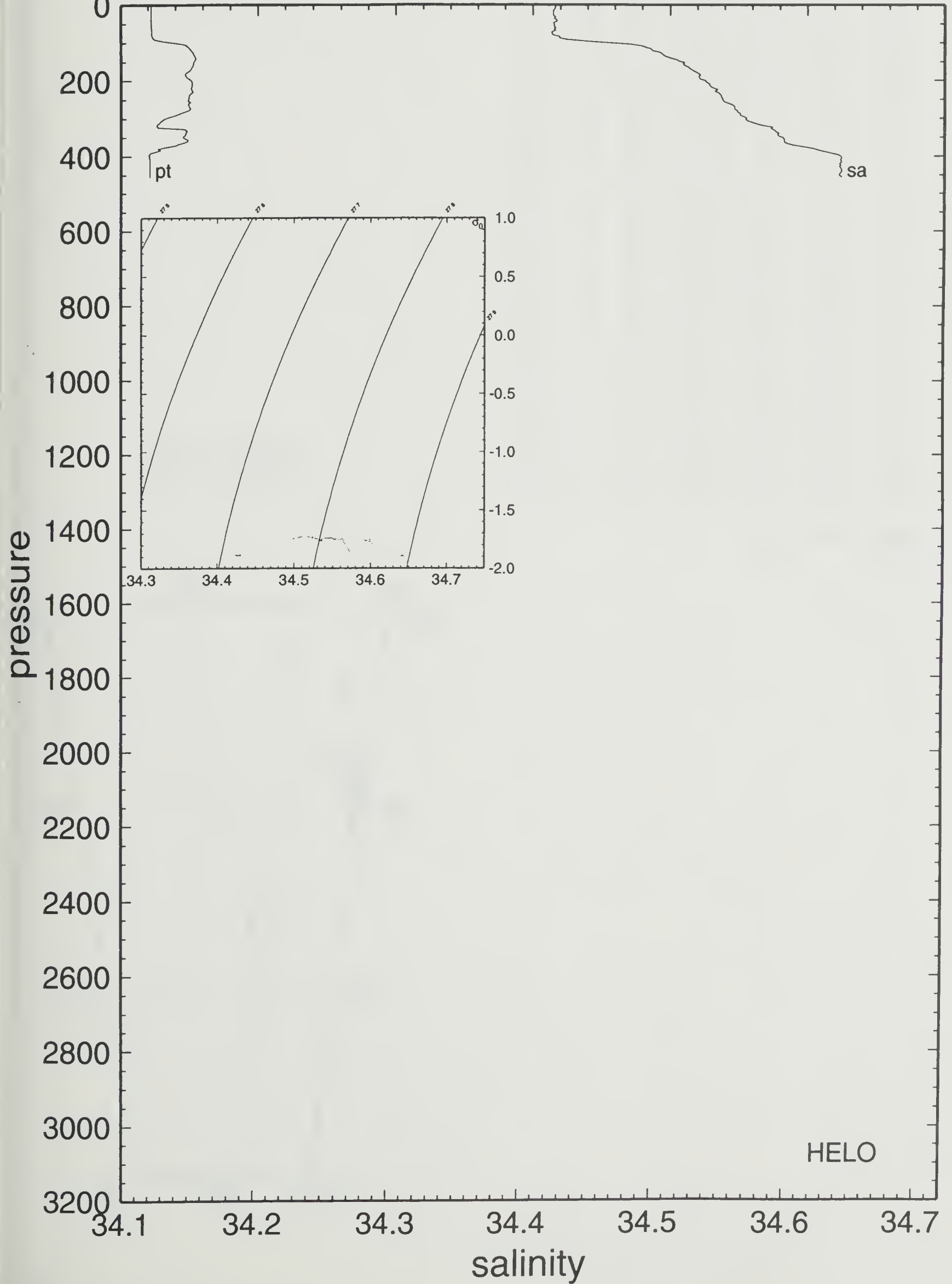
PRES	TEMPER	POTEMP	SLINTY	OXYG
453	-1.883	-1.894		7.223
453	-1.883	-1.894		7.223

# HELO 20



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



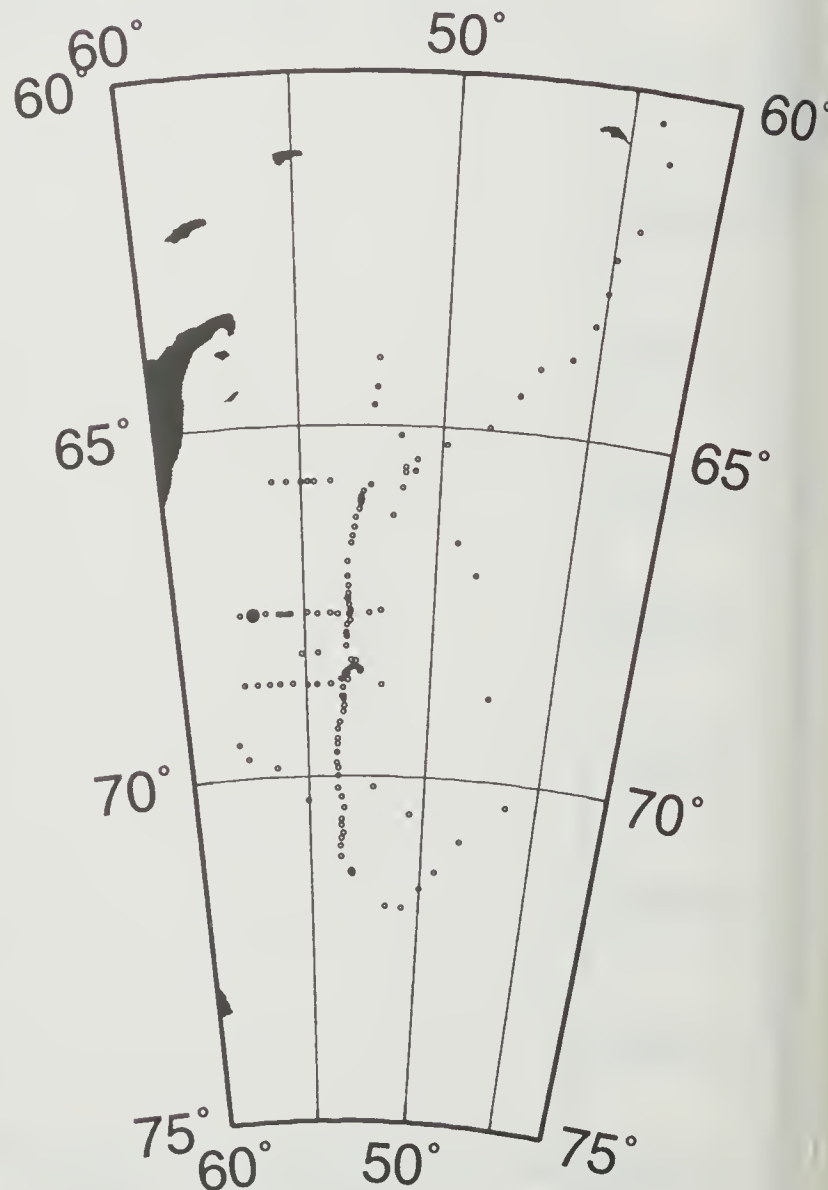
ISW-I -67.6695 -56.9905 92/05/08 129 15:35 HELO STA# 21

bottom depth = 468

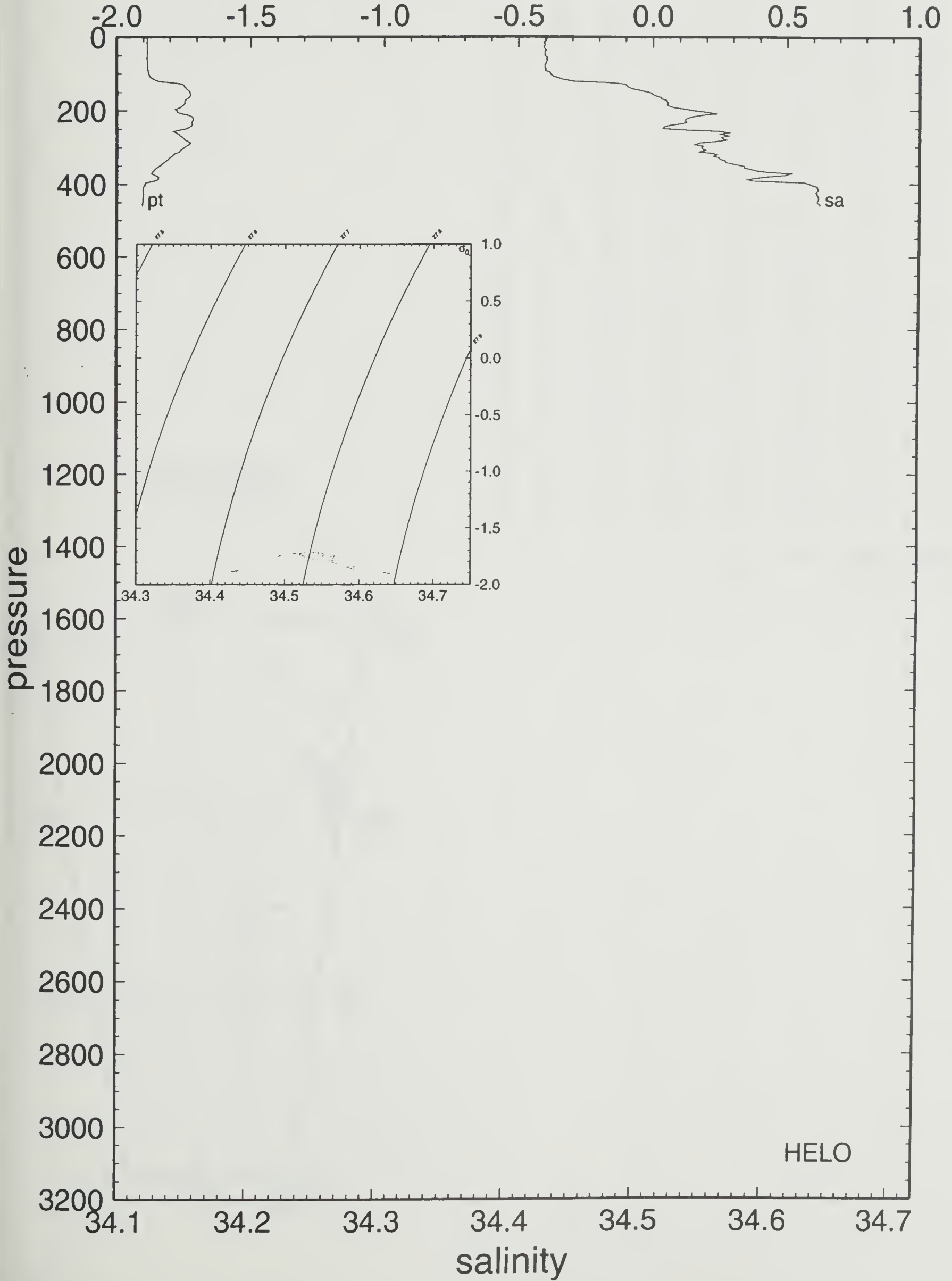
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.888	-1.888	34.435	27.724	32.495	37.159	0.00	36.2
10	-1.887	-1.887	34.431	27.721	32.492	37.156	-1.01	36.4
20	-1.887	-1.887	34.430	27.720	32.491	37.155	-0.50	36.4
30	-1.886	-1.887	34.430	27.720	32.491	37.155	-0.08	36.4
40	-1.885	-1.886	34.430	27.720	32.491	37.155	-0.08	36.3
50	-1.885	-1.886	34.430	27.720	32.491	37.155	0.04	36.3
60	-1.885	-1.886	34.431	27.721	32.492	37.156	0.51	36.1
70	-1.884	-1.885	34.431	27.721	32.492	37.156	-0.08	36.1
80	-1.884	-1.886	34.430	27.720	32.491	37.155	-0.50	36.1
90	-1.882	-1.884	34.431	27.721	32.492	37.156	0.49	35.9
100	-1.878	-1.880	34.434	27.723	32.494	37.158	0.85	35.7
110	-1.870	-1.872	34.439	27.727	32.498	37.161	1.10	35.2
120	-1.841	-1.843	34.452	27.737	32.506	37.169	1.74	34.3
130	-1.748	-1.751	34.493	27.768	32.534	37.193	3.08	31.3
140	-1.735	-1.738	34.497	27.770	32.536	37.195	0.94	31.0
150	-1.724	-1.727	34.509	27.780	32.545	37.204	1.71	30.1
160	-1.721	-1.724	34.515	27.785	32.550	37.208	1.22	29.6
170	-1.738	-1.742	34.522	27.791	32.557	37.215	1.40	28.9
180	-1.740	-1.744	34.525	27.793	32.559	37.218	0.89	28.6
190	-1.757	-1.761	34.528	27.796	32.563	37.222	0.97	28.3
200	-1.769	-1.773	34.544	27.810	32.576	37.236	2.05	27.0
210	-1.737	-1.742	34.557	27.819	32.585	37.243	1.72	26.0
220	-1.710	-1.715	34.541	27.806	32.570	37.228	-2.09	27.3
230	-1.713	-1.718	34.538	27.803	32.568	37.226	-0.85	27.4
240	-1.713	-1.718	34.526	27.793	32.559	37.216	-1.74	28.3
250	-1.747	-1.753	34.529	27.797	32.563	37.222	1.07	27.9
260	-1.771	-1.777	34.572	27.832	32.599	37.258	3.34	24.5
270	-1.750	-1.756	34.569	27.829	32.595	37.254	-1.00	24.7
280	-1.737	-1.743	34.570	27.830	32.595	37.254	0.33	24.6
290	-1.720	-1.727	34.548	27.812	32.577	37.235	-2.40	26.3
300	-1.740	-1.747	34.551	27.815	32.580	37.239	1.00	26.0
325	-1.787	-1.794	34.561	27.824	32.591	37.251	1.11	24.9
350	-1.830	-1.838	34.581	27.841	32.610	37.271	1.49	23.1
375	-1.851	-1.860	34.616	27.871	32.639	37.301	1.91	20.2
400	-1.885	-1.894	34.634	27.886	32.656	37.318	1.41	18.5
425	-1.891	-1.901	34.639	27.890	32.660	37.323	0.73	18.0
450	-1.892	-1.902	34.640	27.891	32.661	37.324	0.33	17.8
460	-1.893	-1.904	34.642	27.893	32.663	37.325	0.72	17.5

PRES	TEMPER	POTEMP	SLINTY	OXYG
456	-1.893	-1.904		7.377
456	-1.893	-1.904		7.377

# HELO 21



### potential temperature



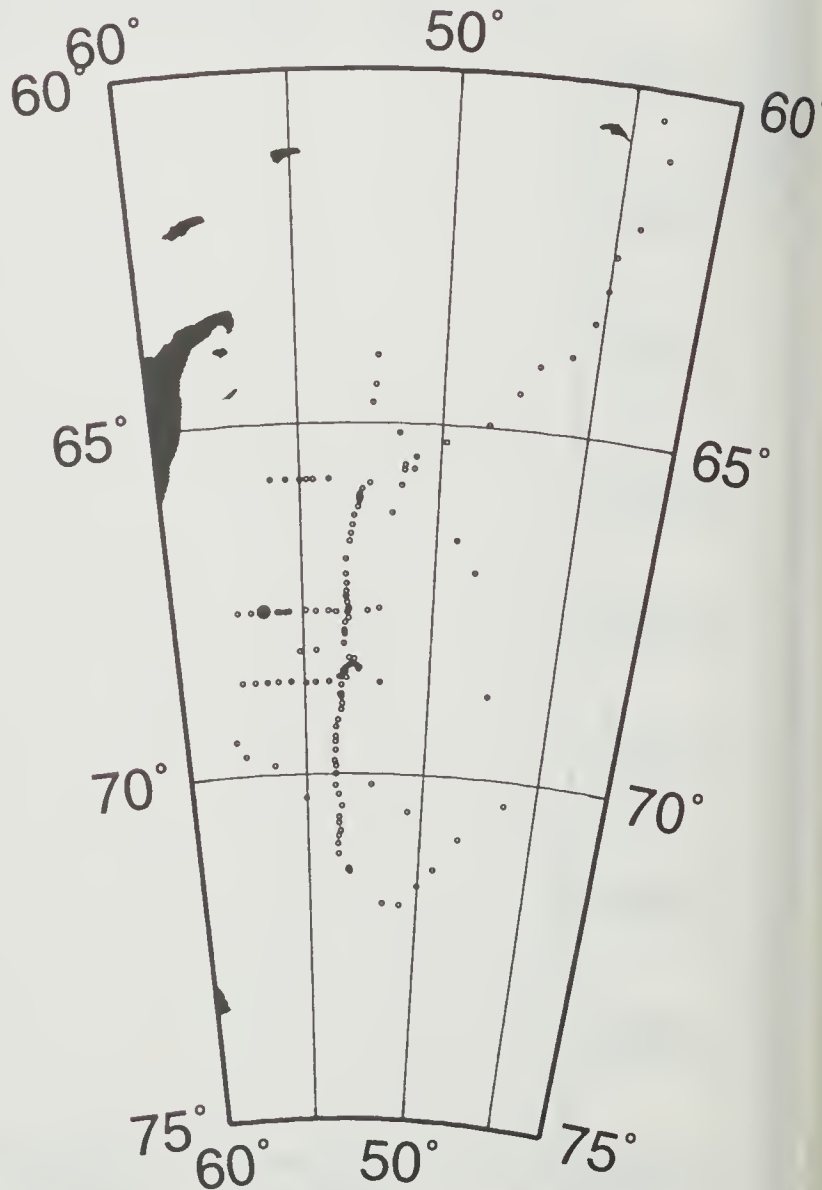
ISW-I -67.6595 -56.5088 92/05/08 129 16:40 HELO STA# 22

bottom depth = 465

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.887	-1.887	34.434	27.723	32.494	37.158	0.00	36.3
10	-1.886	-1.886	34.432	27.722	32.493	37.157	-0.72	36.4
20	-1.885	-1.885	34.429	27.719	32.490	37.154	-0.88	36.5
30	-1.885	-1.886	34.431	27.721	32.492	37.156	0.71	36.3
40	-1.885	-1.886	34.431	27.721	32.492	37.156	0.04	36.3
50	-1.885	-1.886	34.432	27.722	32.493	37.157	0.51	36.1
60	-1.885	-1.886	34.431	27.721	32.492	37.156	-0.50	36.1
70	-1.885	-1.886	34.431	27.721	32.492	37.156	0.04	36.1
80	-1.883	-1.885	34.429	27.719	32.490	37.154	-0.72	36.2
90	-1.869	-1.871	34.438	27.726	32.497	37.160	1.47	35.4
100	-1.790	-1.792	34.469	27.749	32.517	37.178	2.67	33.2
110	-1.743	-1.745	34.486	27.762	32.528	37.187	1.97	32.0
120	-1.724	-1.727	34.495	27.768	32.534	37.192	1.45	31.3
130	-1.714	-1.717	34.501	27.773	32.538	37.196	1.19	30.8
140	-1.694	-1.697	34.505	27.776	32.540	37.198	0.90	30.5
150	-1.695	-1.698	34.518	27.786	32.551	37.208	1.82	29.5
160	-1.685	-1.689	34.525	27.792	32.556	37.213	1.29	28.9
170	-1.648	-1.652	34.534	27.798	32.561	37.217	1.37	28.3
180	-1.587	-1.591	34.540	27.801	32.562	37.216	0.92	28.0
190	-1.583	-1.587	34.540	27.801	32.562	37.215	-0.21	27.9
200	-1.561	-1.566	34.541	27.801	32.561	37.214	0.06	27.9
210	-1.606	-1.611	34.547	27.807	32.569	37.223	1.43	27.2
220	-1.632	-1.637	34.550	27.811	32.573	37.228	1.03	26.8
230	-1.642	-1.647	34.556	27.816	32.578	37.234	1.28	26.3
240	-1.557	-1.563	34.560	27.816	32.576	37.229	0.13	26.2
250	-1.608	-1.614	34.561	27.819	32.580	37.235	0.93	25.9
260	-1.590	-1.596	34.567	27.823	32.584	37.238	1.14	25.5
270	-1.601	-1.607	34.569	27.825	32.586	37.240	0.80	25.2
280	-1.574	-1.581	34.566	27.822	32.582	37.235	-1.04	25.5
290	-1.625	-1.632	34.572	27.828	32.590	37.245	1.47	24.8
300	-1.698	-1.705	34.573	27.831	32.596	37.252	1.07	24.4
325	-1.770	-1.777	34.581	27.840	32.606	37.265	1.08	23.4
350	-1.862	-1.870	34.587	27.847	32.617	37.278	1.02	22.5
375	-1.822	-1.831	34.597	27.854	32.622	37.283	0.91	21.7
400	-1.888	-1.897	34.629	27.882	32.652	37.314	1.89	18.9
425	-1.893	-1.903	34.629	27.882	32.652	37.315	0.17	18.7
450	-1.892	-1.902	34.631	27.884	32.654	37.316	0.45	18.4
460	-1.892	-1.903	34.610	27.867	32.637	37.300	-2.30	20.0

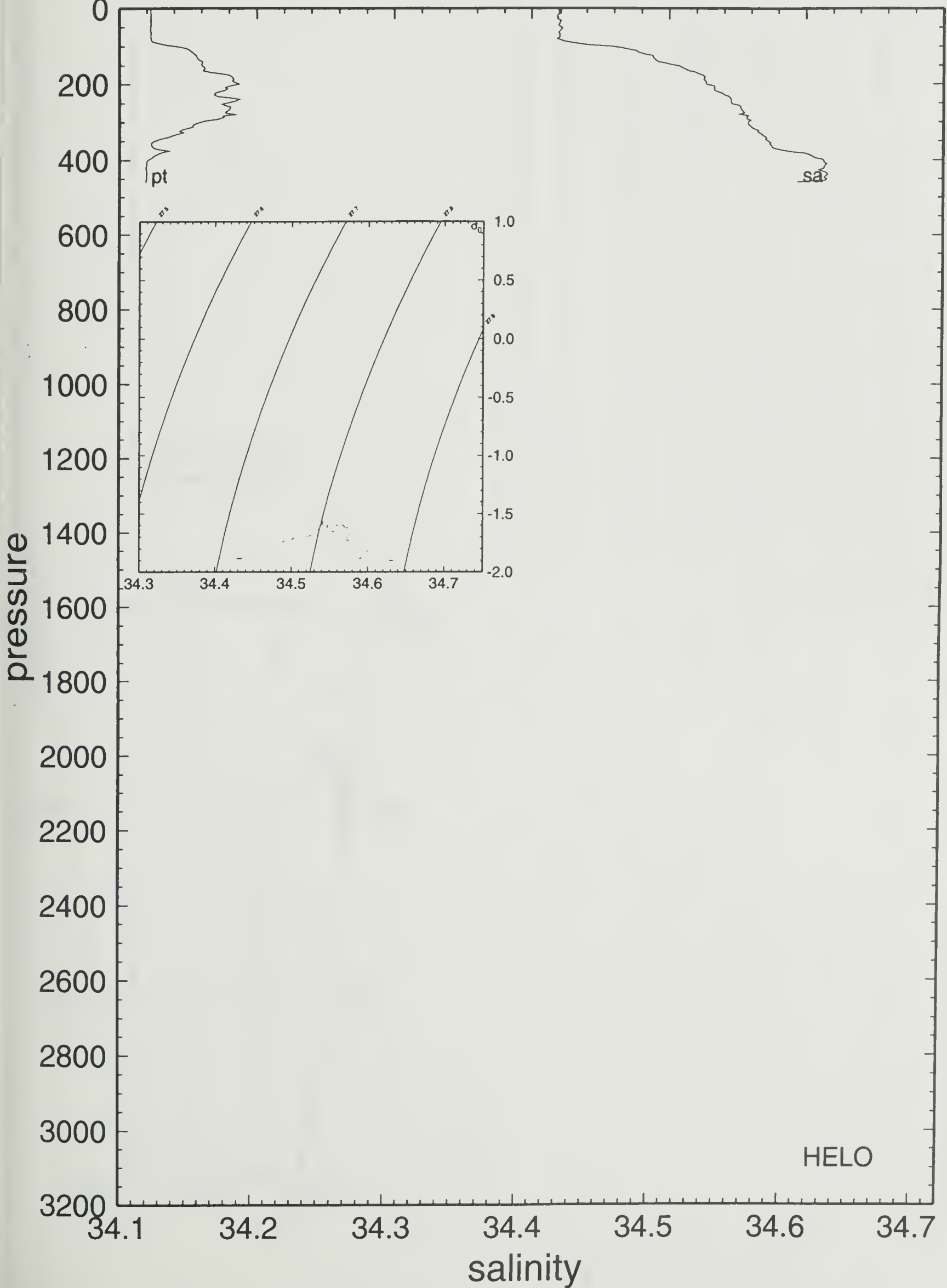
PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.886	-1.886		6.975
11	-1.886	-1.886		6.975

# HELO 22



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



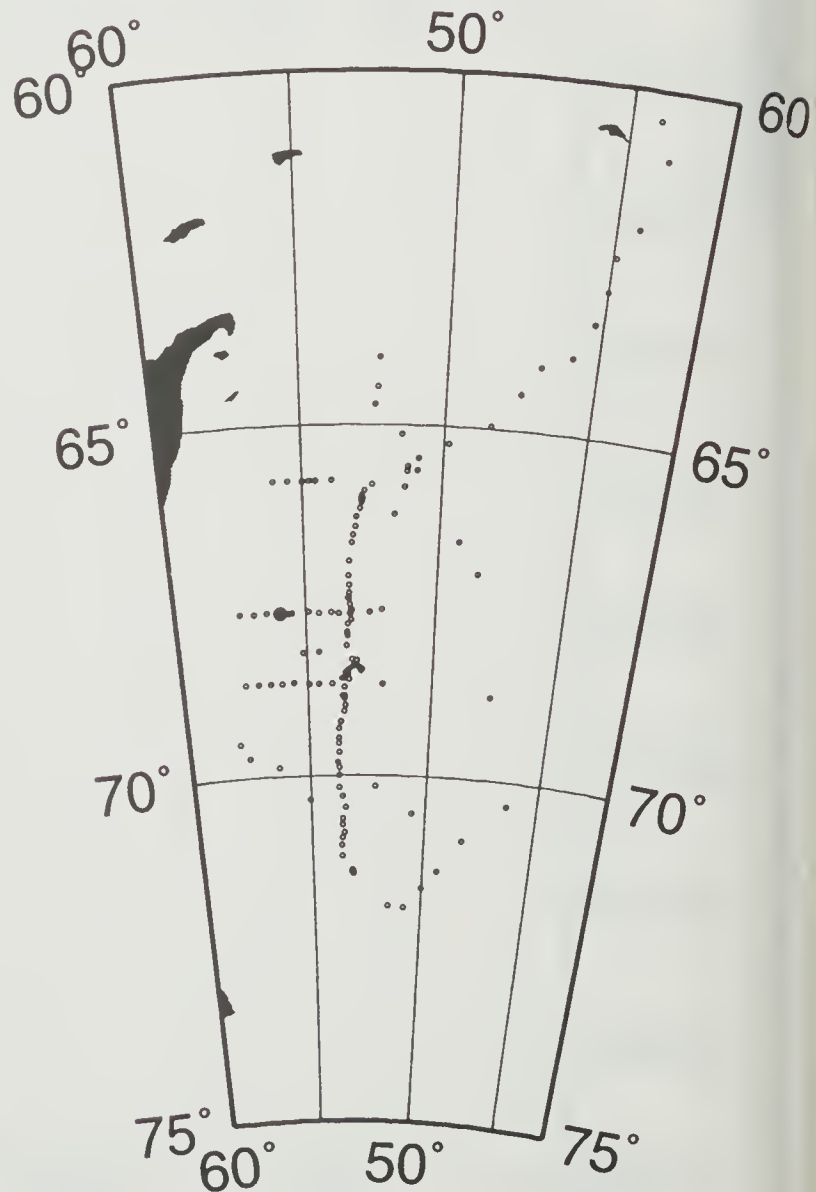
ISW-I -67.6732 -55.9730 92/05/08 129 17:55 HELO STA# 23

bottom depth = 596

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.888	-1.888	34.433	27.722	32.494	37.158	0.00	36.3
10	-1.888	-1.888	34.429	27.719	32.490	37.154	-1.01	36.6
20	-1.887	-1.887	34.425	27.716	32.487	37.151	-1.01	36.8
30	-1.886	-1.887	34.425	27.716	32.487	37.151	-0.08	36.8
40	-1.886	-1.887	34.427	27.717	32.489	37.153	0.71	36.6
50	-1.885	-1.886	34.424	27.715	32.486	37.150	-0.88	36.7
60	-1.885	-1.886	34.424	27.715	32.486	37.150	0.04	36.7
70	-1.885	-1.886	34.424	27.715	32.486	37.150	0.04	36.6
80	-1.884	-1.886	34.421	27.713	32.484	37.148	-0.88	36.8
90	-1.885	-1.887	34.424	27.715	32.486	37.150	0.88	36.5
100	-1.885	-1.887	34.424	27.715	32.486	37.150	0.04	36.4
110	-1.884	-1.886	34.424	27.715	32.486	37.150	-0.09	36.4
120	-1.884	-1.886	34.423	27.714	32.486	37.149	-0.50	36.4
130	-1.884	-1.887	34.425	27.716	32.487	37.151	0.71	36.2
140	-1.884	-1.887	34.424	27.715	32.486	37.150	-0.50	36.2
150	-1.883	-1.886	34.425	27.716	32.487	37.151	0.50	36.0
160	-1.883	-1.886	34.425	27.716	32.487	37.151	0.05	36.0
170	-1.881	-1.884	34.424	27.715	32.486	37.150	-0.52	36.0
180	-1.879	-1.883	34.425	27.716	32.487	37.151	0.49	35.9
190	-1.877	-1.881	34.425	27.716	32.487	37.151	-0.13	35.8
200	-1.858	-1.862	34.431	27.720	32.491	37.154	1.16	35.3
210	-1.848	-1.852	34.436	27.724	32.494	37.157	1.08	34.9
220	-1.837	-1.842	34.438	27.725	32.495	37.157	0.63	34.8
230	-1.795	-1.800	34.453	27.736	32.505	37.166	1.83	33.7
240	-1.760	-1.765	34.471	27.750	32.517	37.177	2.05	32.4
250	-1.731	-1.737	34.481	27.757	32.523	37.182	1.49	31.6
260	-1.676	-1.682	34.501	27.772	32.536	37.193	2.11	30.2
270	-1.664	-1.670	34.509	27.778	32.542	37.198	1.37	29.6
280	-1.677	-1.683	34.514	27.783	32.547	37.204	1.19	29.1
290	-1.678	-1.685	34.518	27.786	32.550	37.207	1.01	28.8
300	-1.665	-1.672	34.522	27.789	32.553	37.209	0.93	28.5
325	-1.628	-1.636	34.538	27.801	32.563	37.218	1.20	27.2
350	-1.607	-1.616	34.544	27.805	32.567	37.221	0.71	26.7
375	-1.672	-1.681	34.560	27.820	32.584	37.240	1.40	25.1
400	-1.605	-1.615	34.582	27.836	32.597	37.251	1.37	23.6
425	-1.573	-1.584	34.583	27.836	32.596	37.249	-0.26	23.5
450	-1.526	-1.538	34.590	27.840	32.599	37.251	0.67	23.1
475	-1.647	-1.659	34.603	27.854	32.617	37.272	1.41	21.4
500	-1.783	-1.795	34.628	27.879	32.645	37.304	1.81	18.8
550	-1.847	-1.860	34.631	27.883	32.651	37.313	0.58	18.1
580	-1.840	-1.854	34.630	27.882	32.650	37.311	-0.34	18.0

PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.888	-1.888	34.414	7.352
11	-1.888	-1.888	34.414	7.352

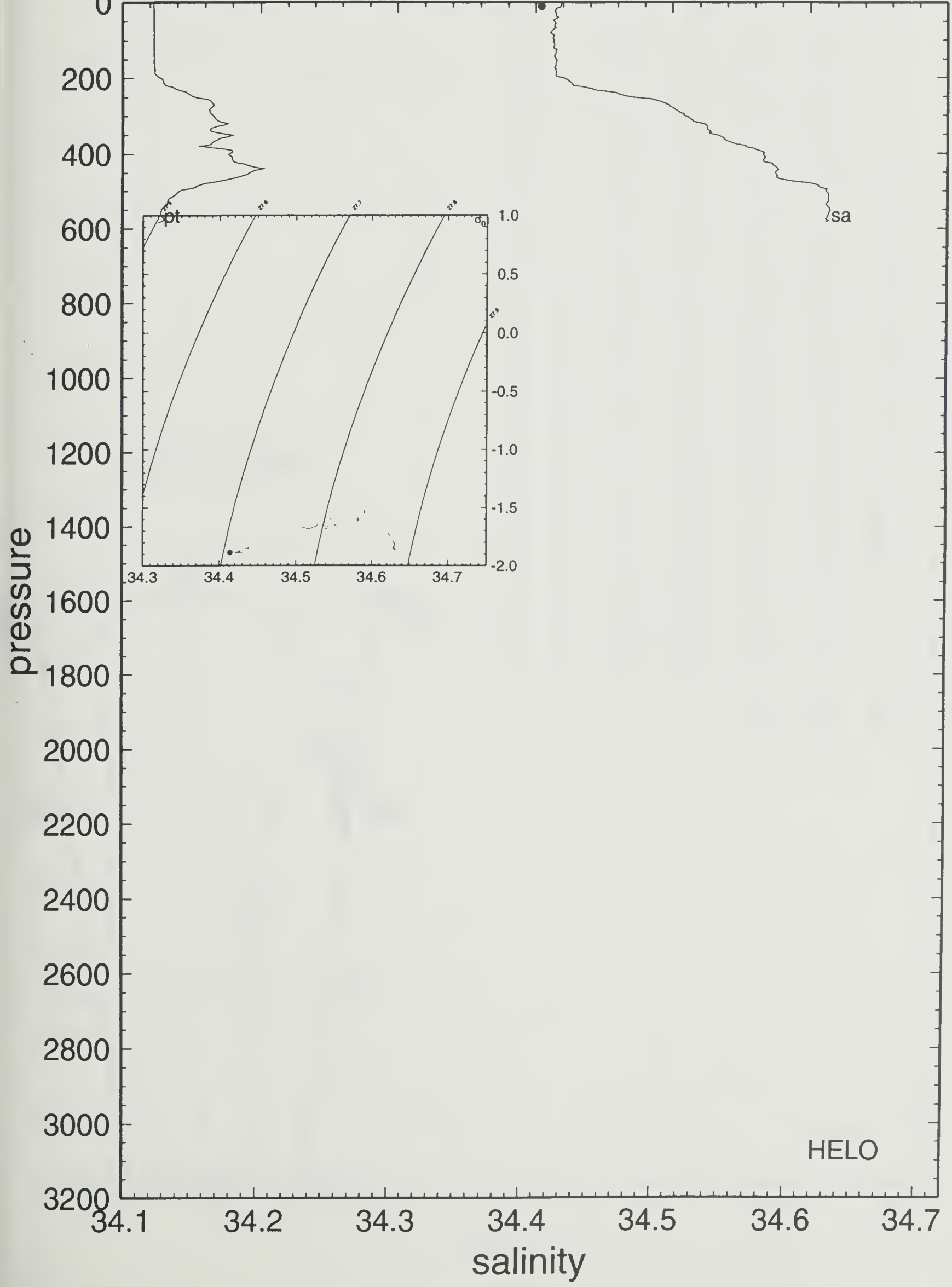
# HELO 23





### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



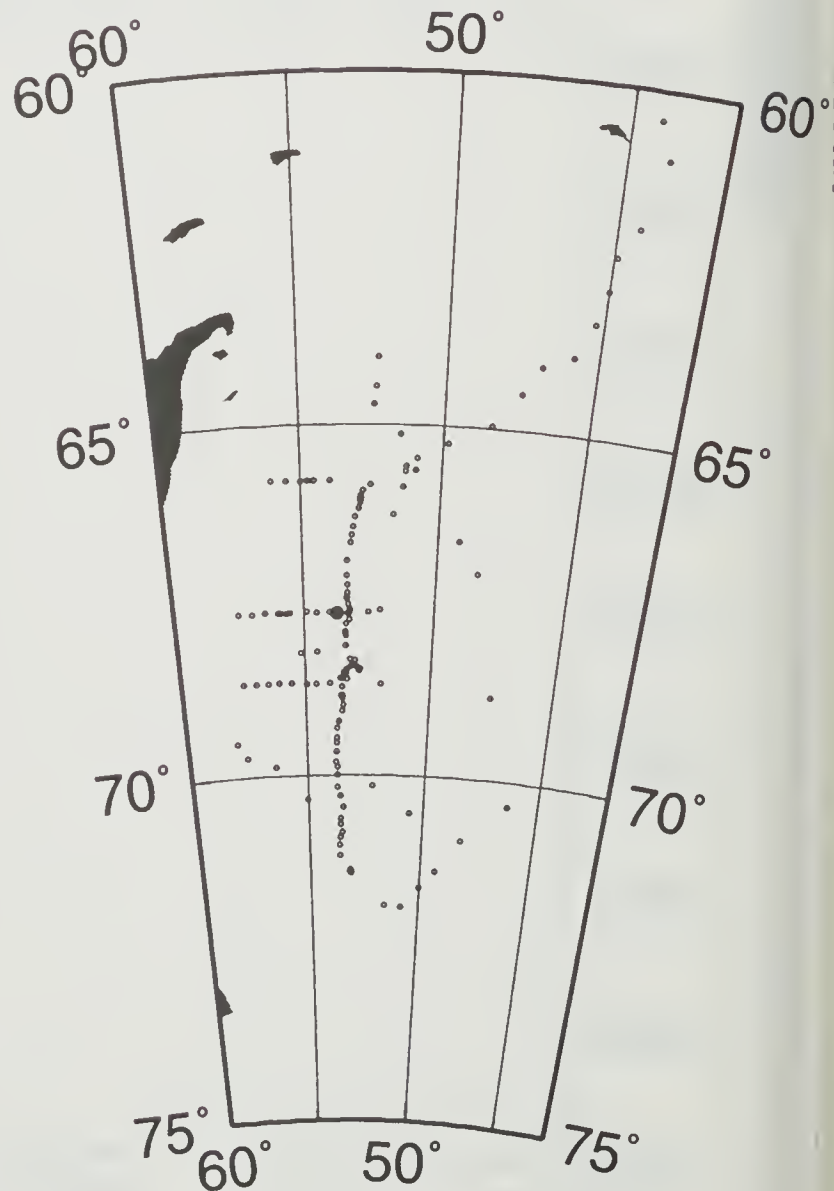
ISW-I -67.6797 -53.7047 92/05/09 130 17:50 HELO STA# 24

bottom depth =

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.896	-1.896	34.421	27.713	32.485	37.149	0.00	37.2
10	-1.881	-1.881	34.444	27.731	32.502	37.166	2.40	35.4
20	-1.880	-1.880	34.442	27.730	32.501	37.164	-0.72	35.5
30	-1.878	-1.879	34.443	27.730	32.501	37.165	0.49	35.4
40	-1.878	-1.879	34.442	27.729	32.500	37.164	-0.50	35.4
50	-1.878	-1.879	34.443	27.730	32.501	37.165	0.51	35.3
60	-1.878	-1.879	34.443	27.730	32.501	37.165	0.04	35.2
70	-1.877	-1.878	34.444	27.731	32.502	37.165	0.50	35.1
80	-1.871	-1.873	34.445	27.732	32.502	37.166	0.45	35.0
90	-1.837	-1.839	34.452	27.737	32.506	37.168	1.21	34.5
100	-1.793	-1.795	34.455	27.738	32.506	37.167	0.59	34.3
110	-1.771	-1.773	34.462	27.743	32.510	37.170	1.25	33.8
120	-1.752	-1.754	34.466	27.746	32.512	37.172	0.91	33.5
130	-1.744	-1.747	34.466	27.745	32.512	37.171	-0.28	33.4
140	-1.719	-1.722	34.472	27.750	32.515	37.174	1.13	33.0
150	-1.693	-1.696	34.478	27.754	32.519	37.176	1.12	32.5
160	-1.671	-1.675	34.480	27.755	32.519	37.176	0.53	32.4
170	-1.620	-1.624	34.486	27.758	32.521	37.176	0.99	32.1
180	-1.570	-1.574	34.491	27.761	32.522	37.175	0.85	31.8
190	-1.507	-1.511	34.496	27.763	32.522	37.173	0.74	31.6
200	-1.314	-1.319	34.505	27.764	32.517	37.162	-0.25	31.5
210	-1.205	-1.211	34.512	27.766	32.515	37.157	0.61	31.4
220	-1.278	-1.284	34.514	27.770	32.522	37.166	1.21	30.9
230	-1.257	-1.263	34.531	27.783	32.534	37.178	2.01	29.7
240	-0.996	-1.003	34.542	27.782	32.525	37.161	-0.90	29.9
250	-0.846	-0.854	34.552	27.784	32.522	37.154	0.56	29.7
260	-0.682	-0.690	34.564	27.787	32.520	37.147	0.70	29.6
270	-0.566	-0.575	34.573	27.790	32.519	37.142	0.63	29.4
280	-0.452	-0.461	34.584	27.793	32.519	37.138	0.93	29.1
290	-0.337	-0.347	34.592	27.794	32.517	37.133	0.14	29.1
300	-0.272	-0.283	34.599	27.797	32.517	37.131	0.78	28.9
325	-0.021	-0.033	34.618	27.800	32.512	37.119	0.20	28.9
350	0.153	0.139	34.635	27.804	32.511	37.113	0.58	28.6
375	0.248	0.233	34.643	27.805	32.510	37.108	0.17	28.6
400	0.320	0.303	34.649	27.806	32.509	37.105	0.04	28.6
425	0.345	0.327	34.652	27.807	32.509	37.105	0.31	28.6
450	0.419	0.400	34.658	27.808	32.507	37.101	-0.20	28.6
475	0.419	0.399	34.662	27.811	32.511	37.104	0.64	28.3
500	0.491	0.469	34.668	27.812	32.509	37.101	-0.21	28.4
550	0.464	0.440	34.669	27.814	32.513	37.105	0.43	28.2
600	0.520	0.493	34.677	27.818	32.514	37.105	0.38	28.0
650	0.531	0.501	34.679	27.819	32.515	37.106	0.24	28.0
700	0.528	0.496	34.681	27.821	32.517	37.108	0.36	27.8
750	0.506	0.471	34.681	27.822	32.519	37.111	0.35	27.7
800	0.487	0.450	34.682	27.824	32.522	37.114	0.40	27.5
850	0.455	0.415	34.680	27.825	32.524	37.117	0.28	27.5
900	0.430	0.388	34.680	27.826	32.526	37.120	0.38	27.3
950	0.395	0.350	34.680	27.829	32.529	37.124	0.45	27.1
1000	0.371	0.324	34.680	27.830	32.532	37.127	0.38	26.9

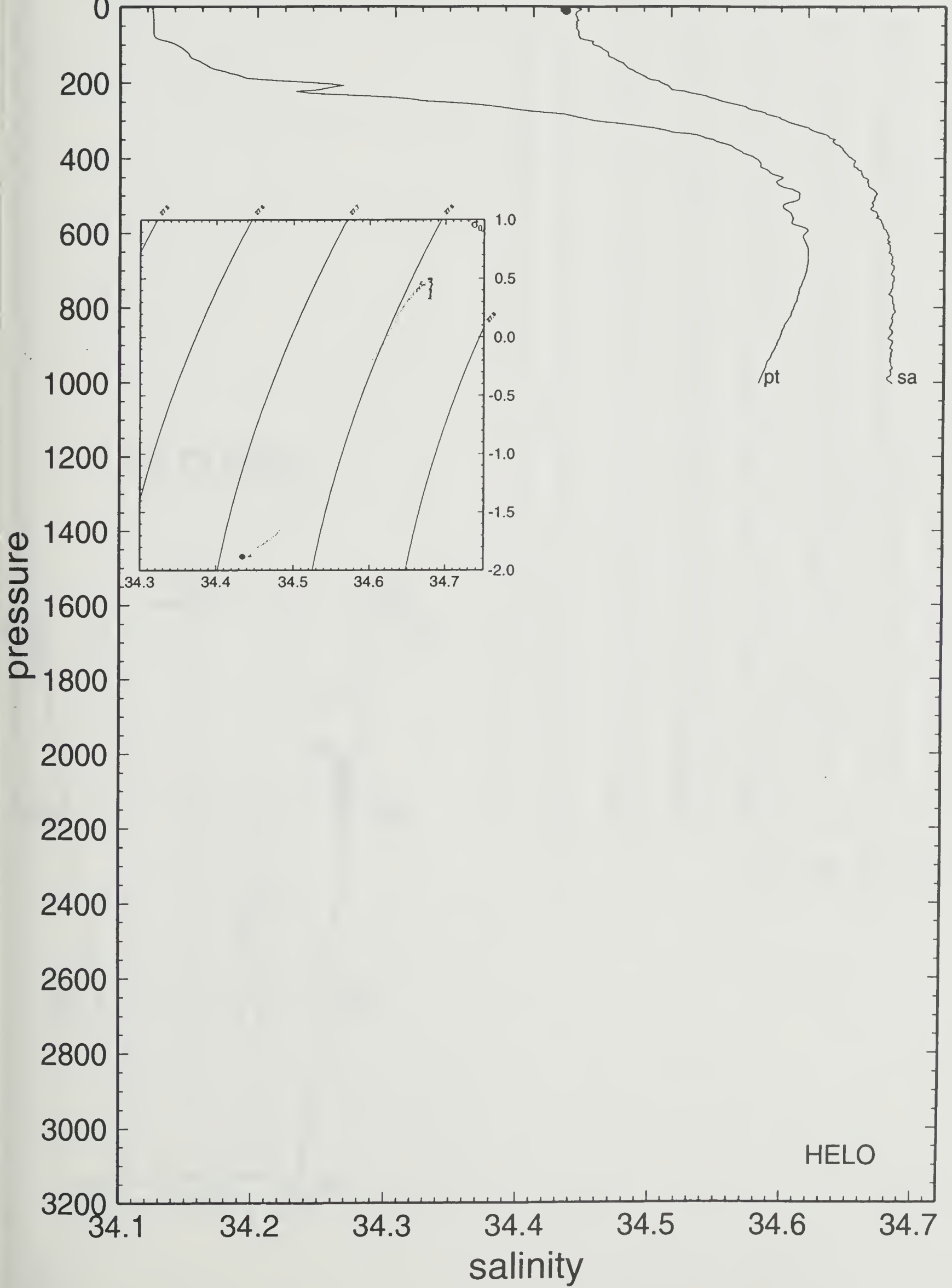
PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.881	-1.881	34.435	6.784
11	-1.881	-1.881	34.434	6.784

# HELO 24



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

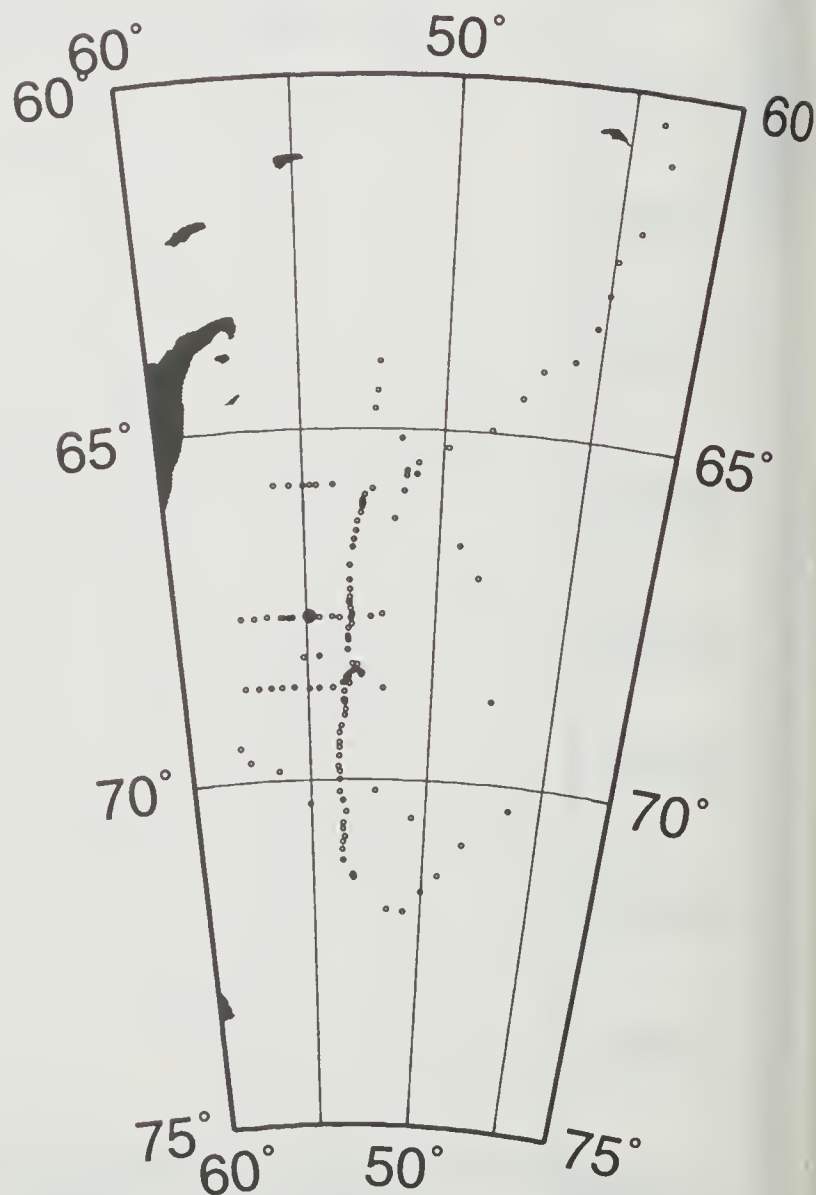


ISW-I -67.6533 -54.8882 92/05/10 131 16:02 HELO STA# 25

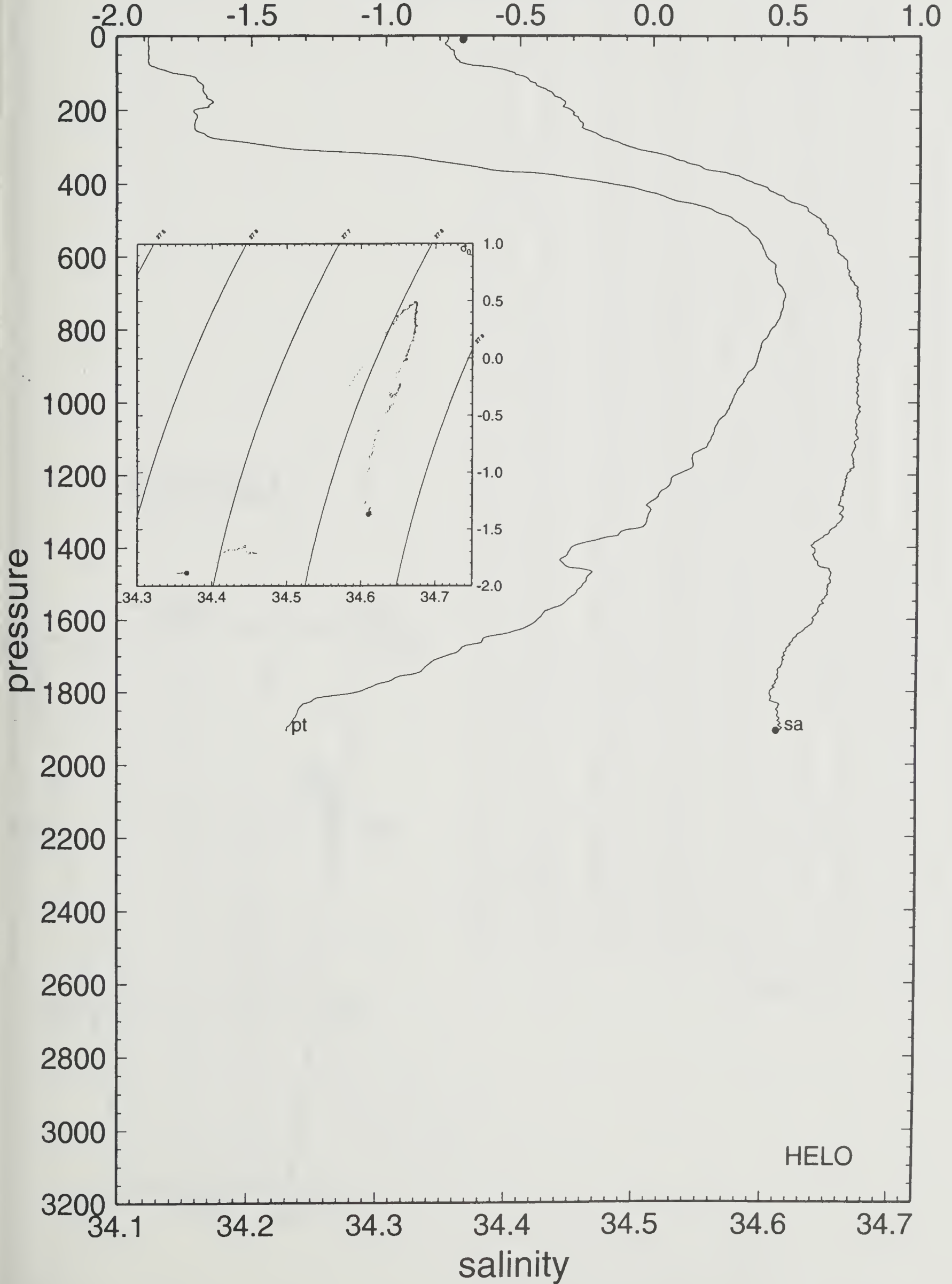
bottom depth = 1946

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.885	-1.885	34.358	27.661	32.433	37.098	0.00	42.1
10	-1.885	-1.885	34.354	27.658	32.430	37.094	-1.01	42.4
20	-1.884	-1.884	34.352	27.656	32.428	37.093	-0.72	42.5
30	-1.883	-1.884	34.355	27.659	32.431	37.095	0.87	42.2
40	-1.884	-1.885	34.359	27.662	32.434	37.098	1.01	41.8
50	-1.883	-1.884	34.359	27.662	32.434	37.098	-0.08	41.7
60	-1.883	-1.884	34.360	27.663	32.435	37.099	0.51	41.6
70	-1.882	-1.883	34.363	27.665	32.437	37.101	0.87	41.3
80	-1.873	-1.875	34.374	27.674	32.445	37.109	1.65	40.4
90	-1.836	-1.838	34.395	27.690	32.460	37.123	2.24	38.8
100	-1.791	-1.793	34.406	27.698	32.466	37.128	1.54	38.1
110	-1.715	-1.717	34.412	27.701	32.467	37.126	0.89	37.8
120	-1.700	-1.703	34.417	27.704	32.470	37.128	1.06	37.4
130	-1.683	-1.686	34.422	27.708	32.473	37.131	1.05	37.0
140	-1.679	-1.682	34.427	27.712	32.477	37.134	1.11	36.6
150	-1.678	-1.681	34.432	27.716	32.481	37.138	1.12	36.1
160	-1.666	-1.670	34.436	27.719	32.483	37.140	0.94	35.8
170	-1.658	-1.662	34.442	27.724	32.488	37.144	1.20	35.3
180	-1.644	-1.644	34.445	27.725	32.489	37.145	0.75	35.1
190	-1.656	-1.660	34.444	27.725	32.489	37.146	-0.28	35.1
200	-1.713	-1.717	34.449	27.731	32.497	37.155	1.38	34.4
210	-1.704	-1.709	34.451	27.732	32.498	37.156	0.64	34.2
220	-1.698	-1.703	34.455	27.735	32.501	37.158	0.98	33.9
230	-1.707	-1.712	34.457	27.737	32.503	37.161	0.78	33.7
240	-1.709	-1.714	34.459	27.739	32.504	37.163	0.73	33.4
250	-1.707	-1.713	34.459	27.739	32.504	37.163	-0.14	33.4
260	-1.689	-1.695	34.466	27.744	32.509	37.166	1.25	32.9
270	-1.660	-1.666	34.472	27.748	32.512	37.169	1.09	32.5
280	-1.609	-1.616	34.480	27.753	32.515	37.170	1.19	32.0
290	-1.496	-1.503	34.487	27.755	32.514	37.165	0.61	31.8
300	-1.405	-1.413	34.495	27.759	32.515	37.163	0.92	31.5
325	-0.935	-0.945	34.525	27.766	32.507	37.142	0.59	31.2
350	-0.699	-0.710	34.546	27.774	32.507	37.134	0.78	30.6
375	-0.384	-0.397	34.572	27.781	32.504	37.122	0.65	30.3
400	-0.150	-0.165	34.591	27.785	32.501	37.112	0.39	30.1
425	0.009	-0.008	34.606	27.789	32.501	37.106	0.50	29.9
450	0.117	0.099	34.619	27.793	32.502	37.105	0.65	29.6
475	0.243	0.223	34.633	27.798	32.503	37.102	0.58	29.3
500	0.319	0.298	34.643	27.802	32.504	37.101	0.59	29.1
550	0.414	0.390	34.653	27.804	32.504	37.098	0.28	29.0
600	0.450	0.423	34.661	27.809	32.508	37.101	0.49	28.7
650	0.489	0.460	34.665	27.810	32.508	37.100	0.16	28.7
700	0.526	0.494	34.671	27.813	32.509	37.100	0.36	28.6
750	0.516	0.481	34.675	27.817	32.514	37.105	0.51	28.2
800	0.480	0.443	34.674	27.818	32.516	37.109	0.38	28.1
850	0.443	0.403	34.674	27.821	32.520	37.113	0.45	27.8
900	0.425	0.383	34.672	27.820	32.520	37.114	0.09	27.9
950	0.379	0.334	34.673	27.824	32.525	37.120	0.55	27.5
1000	0.343	0.296	34.672	27.825	32.528	37.124	0.40	27.3
1100	0.272	0.220	34.673	27.830	32.535	37.134	0.48	26.6
1200	0.150	0.093	34.665	27.831	32.539	37.142	0.39	26.2
1300	0.056	-0.005	34.661	27.833	32.544	37.150	0.42	25.7
1400	-0.238	-0.302	34.638	27.829	32.550	37.164	0.52	24.9
1500	-0.185	-0.256	34.652	27.838	32.557	37.170	0.46	24.2
1600	-0.356	-0.430	34.639	27.836	32.561	37.179	0.44	23.6
1700	-0.696	-0.772	34.617	27.834	32.569	37.197	0.68	22.1
1800	-1.024	-1.101	34.605	27.837	32.582	37.221	0.81	19.9
1900	-1.289	-1.368	34.615	27.855	32.608	37.254	1.01	16.5
1905	-1.289	-1.368	34.614	27.854	32.607	37.254	-0.69	16.6
PRES	TEMPER	POTEMP	SLINTY	OXYG				
11	-1.885	-1.885	34.366	7.429				
1907	-1.289	-1.369	34.610	6.981				

# HELO 25



# potential temperature



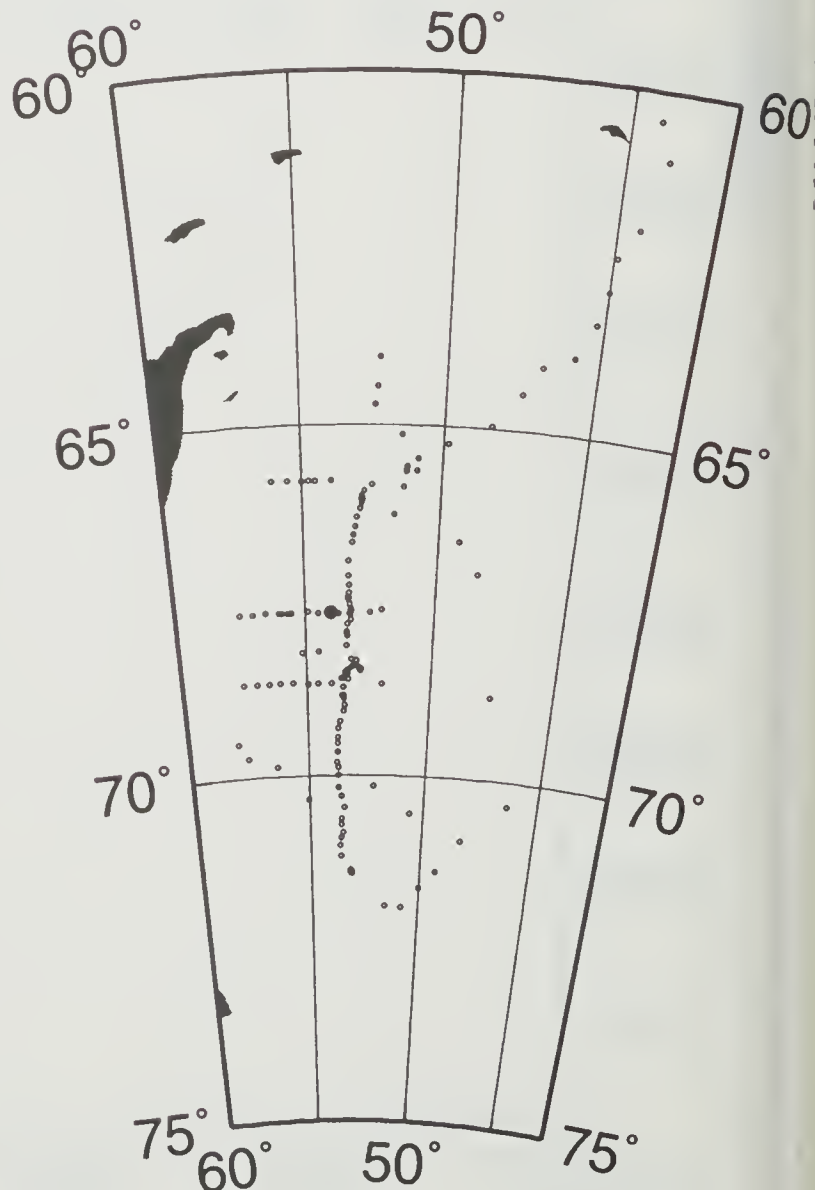
ISW-I -67.6632 -53.9855 92/05/11 132 13:20 HELO STA# 26

bottom depth = 2654

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.886	-1.886	34.356	27.660	32.432	37.096	0.00	42.3
10	-1.885	-1.885	34.350	27.655	32.427	37.091	-1.24	42.7
20	-1.885	-1.885	34.350	27.655	32.427	37.091	0.04	42.6
30	-1.887	-1.888	34.395	27.691	32.463	37.127	3.39	39.1
40	-1.887	-1.888	34.421	27.713	32.484	37.148	2.57	37.0
50	-1.887	-1.888	34.423	27.714	32.486	37.150	0.71	36.8
60	-1.887	-1.888	34.425	27.716	32.487	37.151	0.71	36.6
70	-1.887	-1.888	34.424	27.715	32.486	37.150	-0.50	36.6
80	-1.887	-1.889	34.424	27.715	32.486	37.150	0.04	36.5
90	-1.885	-1.887	34.425	27.716	32.487	37.151	0.49	36.4
100	-1.885	-1.887	34.426	27.717	32.488	37.152	0.51	36.3
110	-1.879	-1.881	34.429	27.719	32.490	37.154	0.84	36.0
120	-1.875	-1.877	34.432	27.721	32.492	37.156	0.85	35.7
130	-1.865	-1.868	34.432	27.721	32.492	37.155	-0.30	35.7
140	-1.847	-1.850	34.441	27.728	32.498	37.161	1.46	35.0
150	-1.810	-1.813	34.451	27.735	32.504	37.165	1.48	34.3
160	-1.789	-1.792	34.455	27.738	32.506	37.167	0.90	34.0
170	-1.776	-1.780	34.460	27.741	32.509	37.169	1.07	33.6
180	-1.759	-1.763	34.463	27.743	32.511	37.170	0.77	33.3
190	-1.737	-1.741	34.465	27.744	32.511	37.170	0.53	33.2
200	-1.715	-1.719	34.468	27.746	32.512	37.170	0.73	33.0
210	-1.683	-1.688	34.472	27.749	32.513	37.171	0.82	32.7
220	-1.678	-1.683	34.475	27.751	32.515	37.173	0.84	32.4
230	-1.688	-1.693	34.482	27.757	32.522	37.179	1.37	31.8
240	-1.659	-1.664	34.488	27.761	32.525	37.181	1.09	31.4
250	-1.587	-1.593	34.494	27.764	32.525	37.179	0.83	31.1
260	-1.381	-1.388	34.509	27.769	32.524	37.172	1.12	30.7
270	-1.217	-1.224	34.519	27.772	32.522	37.164	0.59	30.6
280	-1.020	-1.028	34.531	27.774	32.518	37.155	0.49	30.5
290	-0.831	-0.840	34.542	27.776	32.513	37.144	-0.28	30.5
300	-0.744	-0.753	34.551	27.780	32.514	37.143	0.95	30.2
325	-0.377	-0.388	34.580	27.787	32.510	37.127	0.66	29.8
350	-0.190	-0.203	34.596	27.791	32.508	37.120	0.49	29.6
375	0.020	0.005	34.616	27.796	32.507	37.113	0.62	29.2
400	0.192	0.176	34.630	27.798	32.504	37.105	0.09	29.2
425	0.305	0.287	34.639	27.799	32.502	37.099	-0.22	29.3
450	0.347	0.328	34.645	27.802	32.503	37.099	0.50	29.1
475	0.377	0.357	34.650	27.804	32.505	37.100	0.50	29.0
500	0.403	0.381	34.655	27.807	32.507	37.101	0.53	28.8
550	0.470	0.446	34.664	27.810	32.508	37.100	0.39	28.6
600	0.497	0.470	34.668	27.812	32.509	37.101	0.29	28.5
650	0.526	0.496	34.672	27.814	32.510	37.101	0.27	28.5
700	0.550	0.518	34.678	27.817	32.513	37.103	0.44	28.2
750	0.554	0.519	34.680	27.819	32.514	37.104	0.30	28.2
800	0.541	0.503	34.682	27.821	32.517	37.108	0.42	28.0
850	0.515	0.475	34.681	27.822	32.519	37.110	0.32	27.9
900	0.490	0.447	34.682	27.824	32.522	37.114	0.41	27.6
950	0.470	0.425	34.681	27.825	32.524	37.116	0.27	27.6
1000	0.444	0.396	34.680	27.826	32.525	37.119	0.33	27.5
1100	0.394	0.341	34.679	27.828	32.529	37.124	0.36	27.2
1200	0.330	0.272	34.677	27.831	32.534	37.131	0.38	26.9
1300	0.277	0.213	34.677	27.834	32.539	37.138	0.41	26.4
1400	0.227	0.158	34.674	27.835	32.541	37.142	0.30	26.2
1500	0.179	0.104	34.673	27.837	32.545	37.147	0.37	25.9
1600	0.141	0.060	34.670	27.837	32.546	37.149	0.25	25.7
1700	0.087	0.000	34.671	27.841	32.552	37.157	0.46	25.1
1800	0.046	-0.047	34.665	27.838	32.551	37.157	0.07	25.2
1900	-0.006	-0.105	34.665	27.841	32.556	37.164	0.44	24.6
2000	-0.061	-0.166	34.660	27.840	32.557	37.167	0.29	24.4
2100	-0.138	-0.248	34.657	27.842	32.561	37.173	0.46	23.8
2200	-0.231	-0.347	34.649	27.840	32.562	37.178	0.38	23.3
2300	-0.365	-0.486	34.639	27.839	32.565	37.185	0.50	22.5
2400	-0.625	-0.748	34.619	27.834	32.569	37.196	0.67	21.1
2500	-0.998	-1.121	34.602	27.835	32.581	37.220	0.95	18.2
2600	-1.318	-1.442	34.611	27.854	32.610	37.258	1.16	14.0
2605	-1.330	-1.454	34.612	27.855	32.611	37.260	1.15	13.8

PRES	TEMPER	POTEMP	SLINTY	OXYG
2606	-1.333	-1.457	34.612	6.884

# HELO 26



26

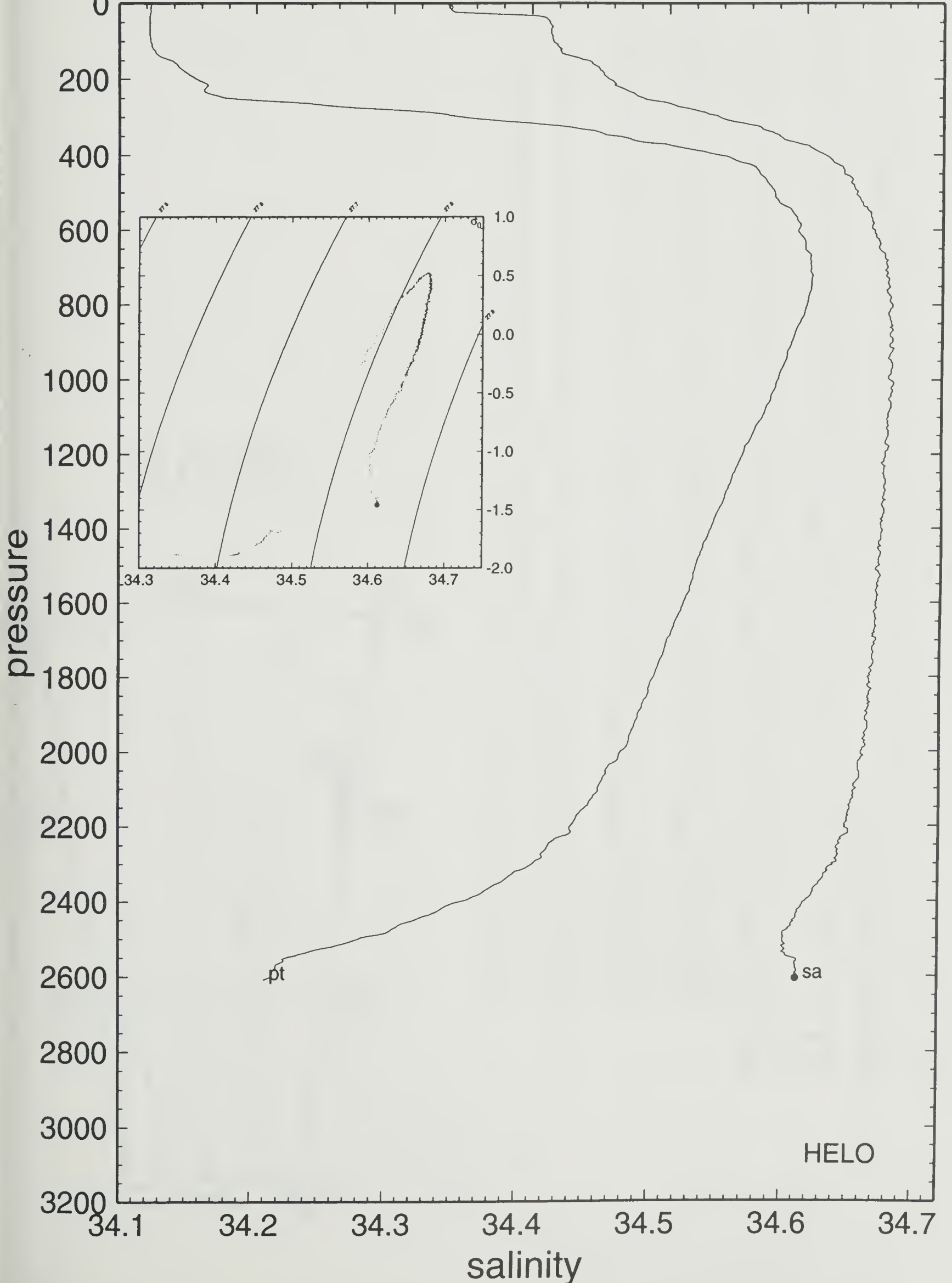
92/05/11 13:20

67 39.79 S 53 59.13 W

HELO

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0

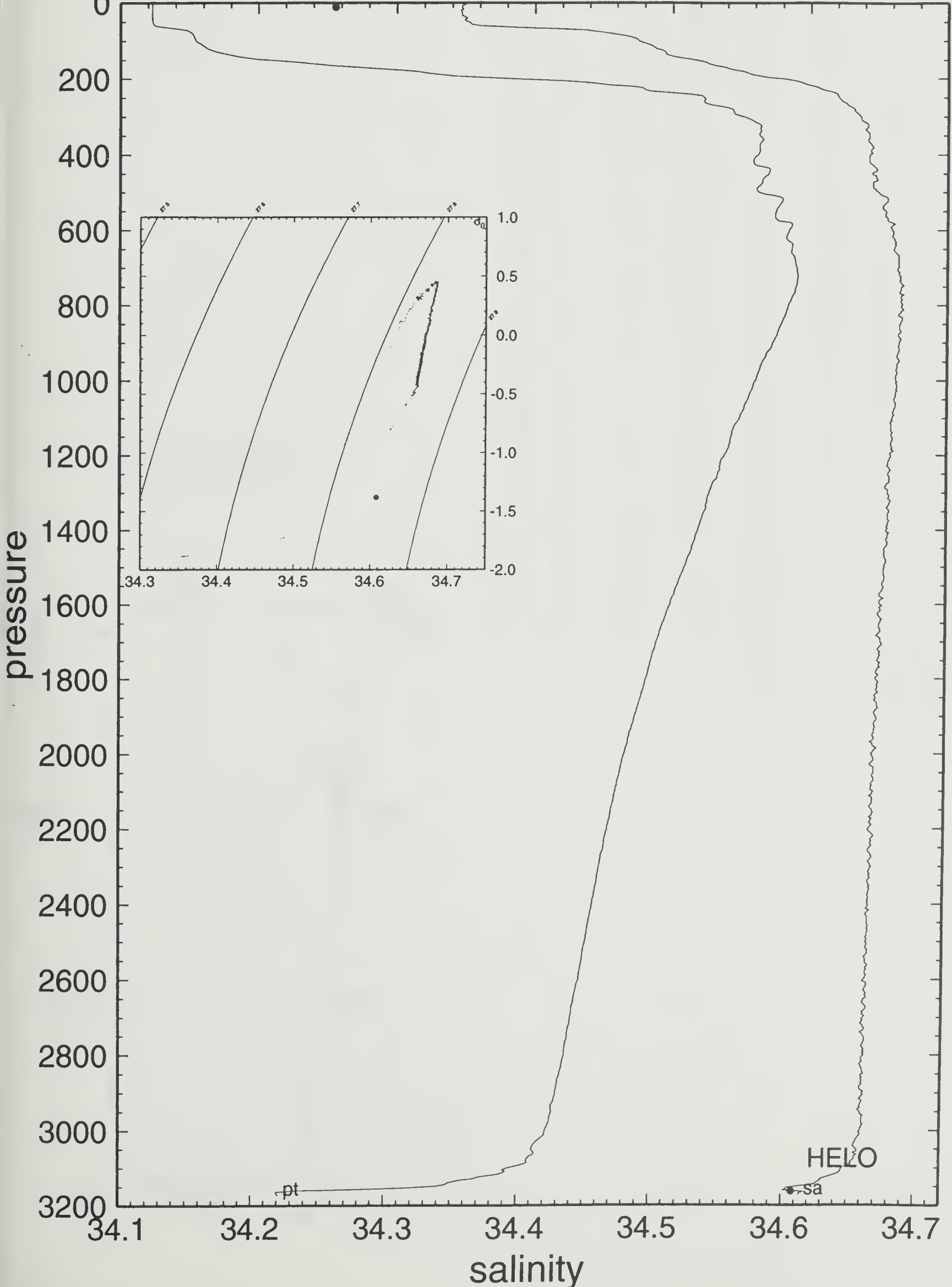






### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



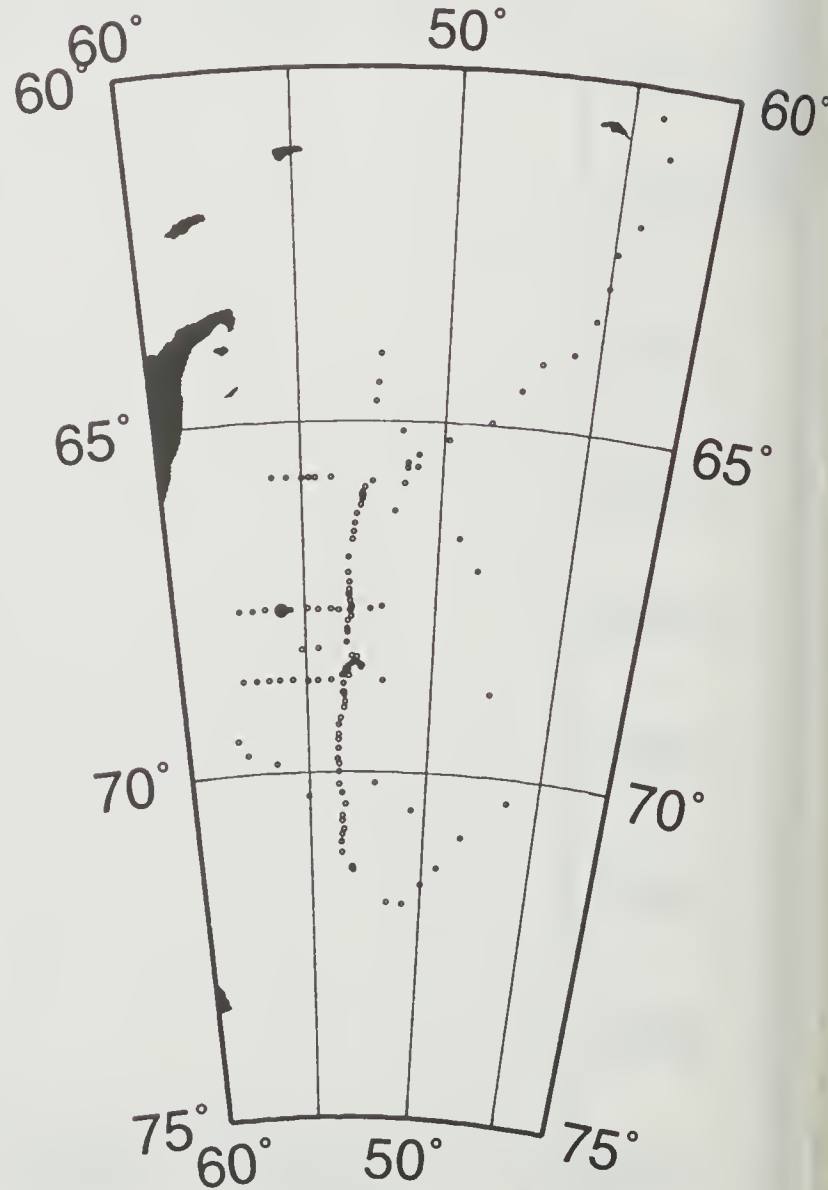
ISW-I -67.6773 -55.8677 92/05/12 133 16:03 HELO STA# 28

bottom depth = 820

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.875	-1.875	34.382	27.681	32.452	37.116	0.00	40.3
10	-1.872	-1.872	34.379	27.678	32.449	37.113	-0.89	40.5
20	-1.870	-1.870	34.376	27.676	32.447	37.111	-0.88	40.6
30	-1.868	-1.869	34.381	27.680	32.451	37.114	1.12	40.2
40	-1.869	-1.870	34.382	27.680	32.452	37.115	0.51	40.1
50	-1.868	-1.869	34.382	27.680	32.452	37.115	-0.08	40.0
60	-1.867	-1.868	34.382	27.680	32.452	37.115	-0.08	39.9
70	-1.867	-1.868	34.382	27.680	32.452	37.115	0.04	39.9
80	-1.867	-1.869	34.381	27.680	32.451	37.114	-0.50	39.9
90	-1.859	-1.861	34.385	27.683	32.454	37.117	0.97	39.5
100	-1.828	-1.830	34.389	27.685	32.455	37.117	0.86	39.3
110	-1.819	-1.821	34.393	27.688	32.458	37.120	0.97	38.9
120	-1.758	-1.760	34.406	27.697	32.465	37.125	1.65	38.0
130	-1.733	-1.736	34.416	27.704	32.471	37.130	1.51	37.3
140	-1.720	-1.723	34.423	27.710	32.476	37.135	1.28	36.7
150	-1.707	-1.710	34.426	27.712	32.478	37.136	0.79	36.5
160	-1.698	-1.701	34.429	27.714	32.480	37.138	0.82	36.2
170	-1.689	-1.693	34.431	27.715	32.481	37.138	0.64	36.1
180	-1.672	-1.676	34.435	27.718	32.483	37.140	0.91	35.7
190	-1.656	-1.660	34.435	27.718	32.482	37.139	-0.41	35.7
200	-1.638	-1.643	34.440	27.721	32.485	37.141	1.04	35.4
210	-1.624	-1.629	34.443	27.723	32.486	37.142	0.78	35.1
220	-1.591	-1.596	34.449	27.727	32.489	37.144	1.07	34.7
230	-1.574	-1.579	34.453	27.730	32.491	37.146	0.91	34.4
240	-1.567	-1.573	34.455	27.731	32.493	37.147	0.65	34.2
250	-1.536	-1.542	34.458	27.733	32.493	37.146	0.63	34.1
260	-1.506	-1.512	34.463	27.736	32.495	37.147	0.95	33.8
270	-1.457	-1.464	34.468	27.739	32.496	37.147	0.81	33.5
280	-1.417	-1.424	34.473	27.741	32.498	37.147	0.87	33.2
290	-1.385	-1.392	34.478	27.744	32.500	37.148	0.92	32.9
300	-1.363	-1.371	34.480	27.745	32.500	37.147	0.47	32.8
325	-1.396	-1.404	34.484	27.750	32.505	37.154	0.76	32.3
350	-1.477	-1.486	34.487	27.755	32.513	37.164	0.86	31.6
375	-1.477	-1.487	34.494	27.760	32.519	37.169	0.84	30.9
400	-1.416	-1.427	34.504	27.767	32.523	37.172	0.82	30.3
425	-1.268	-1.280	34.524	27.778	32.529	37.174	1.08	29.3
450	-1.137	-1.150	34.534	27.781	32.529	37.169	0.46	29.1
475	-1.149	-1.163	34.542	27.788	32.536	37.177	0.94	28.3
500	-1.139	-1.154	34.552	27.796	32.543	37.184	0.97	27.5
550	-1.014	-1.031	34.578	27.813	32.556	37.192	0.95	26.0
600	-0.927	-0.947	34.601	27.828	32.568	37.202	0.93	24.5
650	-1.256	-1.276	34.583	27.826	32.576	37.220	0.51	24.0
700	-1.572	-1.592	34.598	27.848	32.609	37.262	1.35	21.0
750	-1.424	-1.447	34.623	27.864	32.620	37.268	0.87	19.7
800	-1.796	-1.818	34.636	27.886	32.653	37.313	1.38	16.5
805	-1.816	-1.838	34.636	27.886	32.654	37.315	0.81	16.4

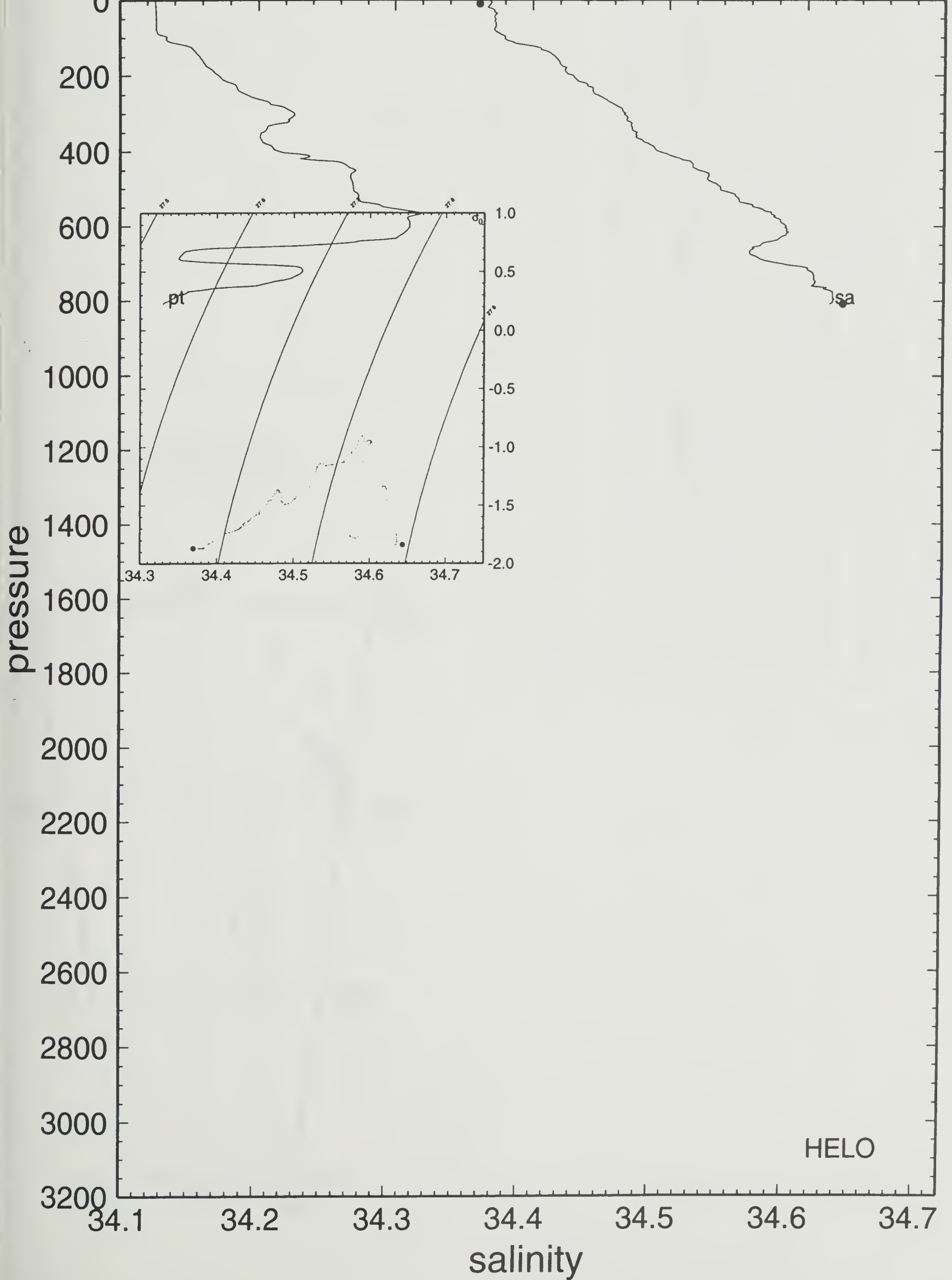
PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.871	-1.871	34.370	7.324
808	-1.819	-1.841	34.644	7.383

# HELO 28



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-I -67.6735 -55.6628 92/05/12 133 17:27 HELO STA# 29

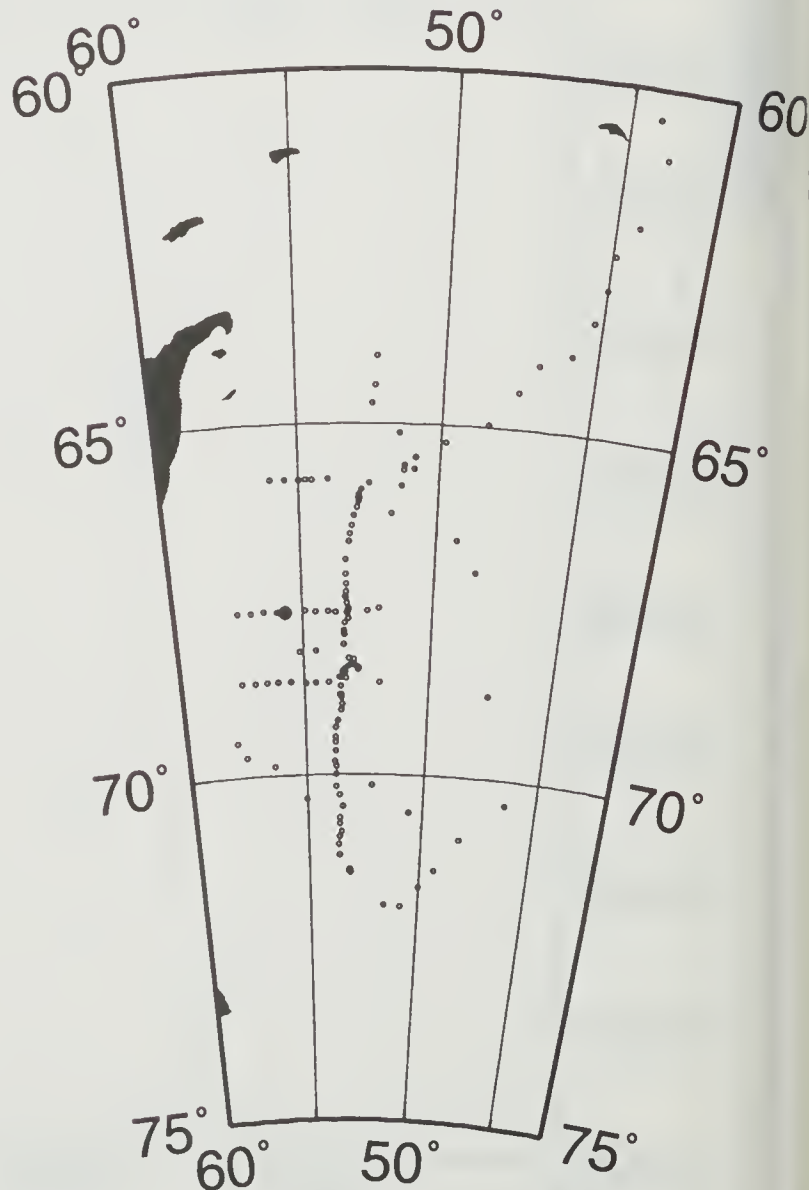
bottom depth = 1110

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.882	-1.882	34.353	27.657	32.429	37.093	0.00	42.5
10	-1.881	-1.881	34.345	27.651	32.422	37.087	-1.43	43.1
20	-1.880	-1.880	34.343	27.649	32.421	37.085	-0.72	43.2
30	-1.880	-1.881	34.345	27.651	32.422	37.087	0.71	42.9
40	-1.880	-1.881	34.346	27.651	32.423	37.088	0.51	42.8
50	-1.880	-1.881	34.346	27.651	32.423	37.088	0.04	42.7
60	-1.878	-1.879	34.346	27.651	32.423	37.088	-0.12	42.7
70	-1.875	-1.876	34.348	27.653	32.425	37.089	0.70	42.5
80	-1.869	-1.871	34.352	27.656	32.428	37.092	0.98	42.1
90	-1.819	-1.821	34.371	27.670	32.440	37.102	2.09	40.7
100	-1.781	-1.783	34.386	27.681	32.450	37.111	1.86	39.6
110	-1.760	-1.762	34.396	27.689	32.457	37.117	1.53	38.9
120	-1.743	-1.745	34.403	27.694	32.461	37.121	1.27	38.3
130	-1.721	-1.724	34.408	27.698	32.464	37.123	1.03	37.9
140	-1.692	-1.695	34.415	27.703	32.468	37.126	1.22	37.4
150	-1.662	-1.665	34.423	27.708	32.473	37.130	1.31	36.9
160	-1.647	-1.651	34.426	27.710	32.474	37.131	0.78	36.6
170	-1.632	-1.636	34.431	27.714	32.477	37.133	1.05	36.2
180	-1.617	-1.621	34.435	27.717	32.479	37.135	0.92	35.9
190	-1.599	-1.603	34.437	27.718	32.480	37.135	0.56	35.8
200	-1.570	-1.575	34.441	27.720	32.481	37.136	0.83	35.5
210	-1.535	-1.540	34.450	27.726	32.487	37.140	1.37	34.9
220	-1.505	-1.510	34.454	27.729	32.488	37.140	0.81	34.6
230	-1.451	-1.457	34.462	27.733	32.491	37.141	1.17	34.2
240	-1.409	-1.415	34.467	27.736	32.492	37.141	0.87	33.9
250	-1.378	-1.384	34.469	27.737	32.492	37.140	0.34	33.8
260	-1.355	-1.362	34.478	27.743	32.498	37.145	1.41	33.2
270	-1.299	-1.306	34.487	27.749	32.501	37.147	1.24	32.7
280	-1.177	-1.185	34.496	27.752	32.501	37.142	0.78	32.5
290	-1.089	-1.097	34.506	27.757	32.503	37.142	1.13	32.0
300	-1.013	-1.022	34.511	27.758	32.501	37.138	0.39	31.9
325	-0.775	-0.785	34.538	27.770	32.506	37.136	1.12	30.9
350	-0.527	-0.539	34.556	27.774	32.503	37.124	0.40	30.7
375	-0.324	-0.337	34.572	27.778	32.500	37.116	0.40	30.6
400	-0.186	-0.201	34.588	27.784	32.502	37.114	0.76	30.1
425	0.002	-0.015	34.604	27.787	32.499	37.106	0.35	30.0
450	0.102	0.084	34.616	27.792	32.501	37.104	0.62	29.7
475	0.185	0.166	34.628	27.797	32.504	37.104	0.71	29.3
500	0.246	0.225	34.639	27.803	32.507	37.106	0.76	28.9
550	0.244	0.221	34.648	27.810	32.515	37.114	0.69	28.2
600	0.091	0.066	34.646	27.817	32.526	37.130	0.77	27.3
650	0.128	0.101	34.647	27.816	32.524	37.127	-0.33	27.5
700	0.031	0.002	34.646	27.820	32.532	37.137	0.64	26.9
750	-0.321	-0.350	34.627	27.823	32.545	37.161	0.80	25.9
800	-0.136	-0.169	34.651	27.833	32.550	37.160	0.61	25.3
850	-0.362	-0.396	34.630	27.827	32.551	37.168	-0.06	25.3
900	-0.560	-0.595	34.628	27.835	32.564	37.187	0.89	24.0
950	-0.736	-0.772	34.615	27.832	32.567	37.195	0.38	23.7
1000	-1.095	-1.130	34.610	27.842	32.588	37.227	1.14	21.6
1095	-1.697	-1.731	34.630	27.878	32.643	37.300	1.35	16.0

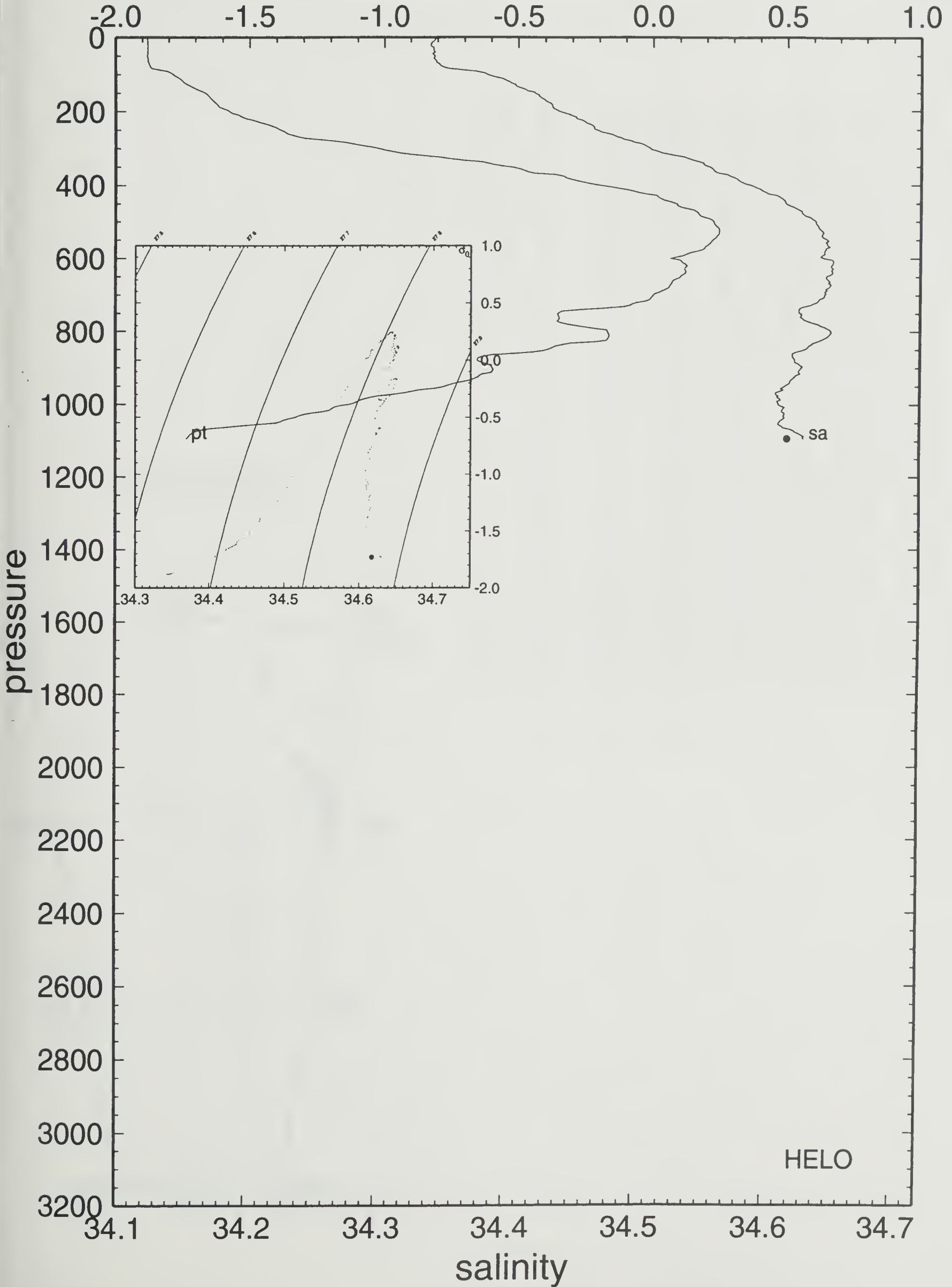
  

PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.880	-1.880		7.442
1094	-1.696	-1.730	34.617	7.281

# HELO 29



### potential temperature



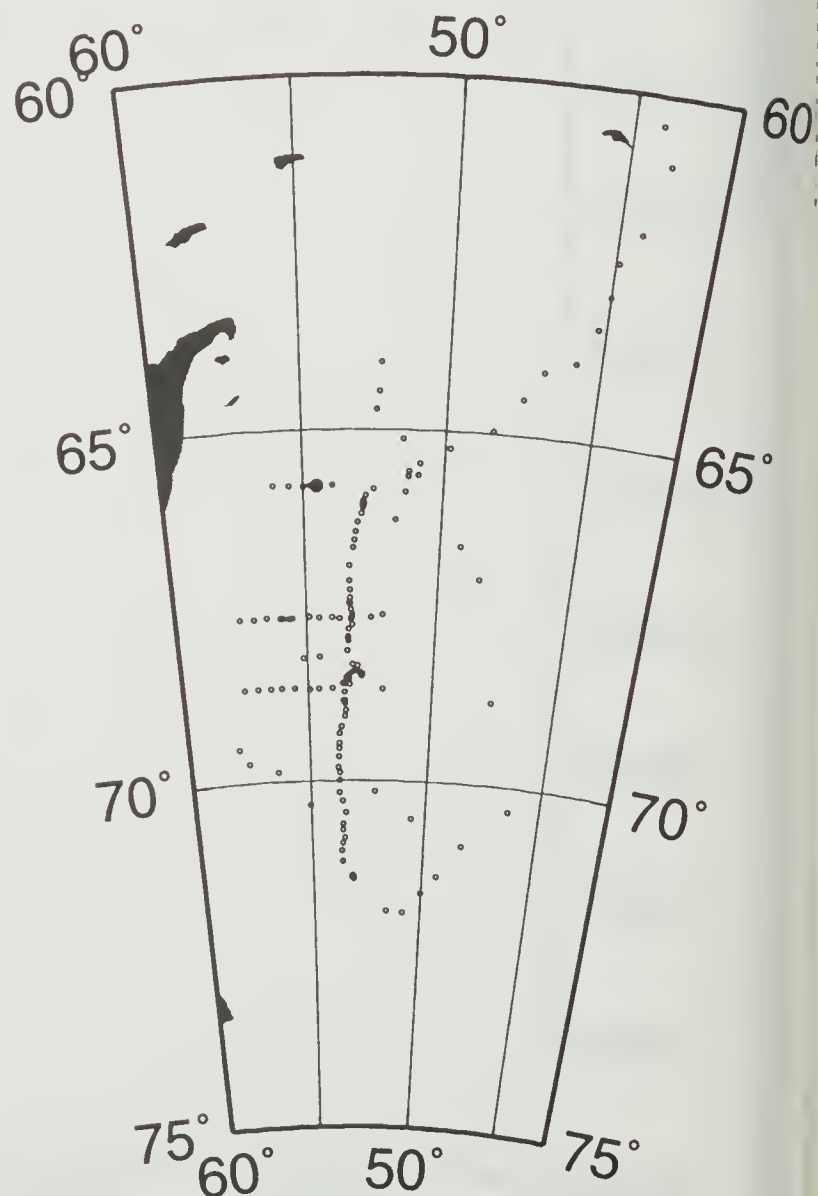
HELO

ISW-I -65.7912 -54.4973 92/05/28 149 16:19 HELO STA# 30

bottom depth = 934

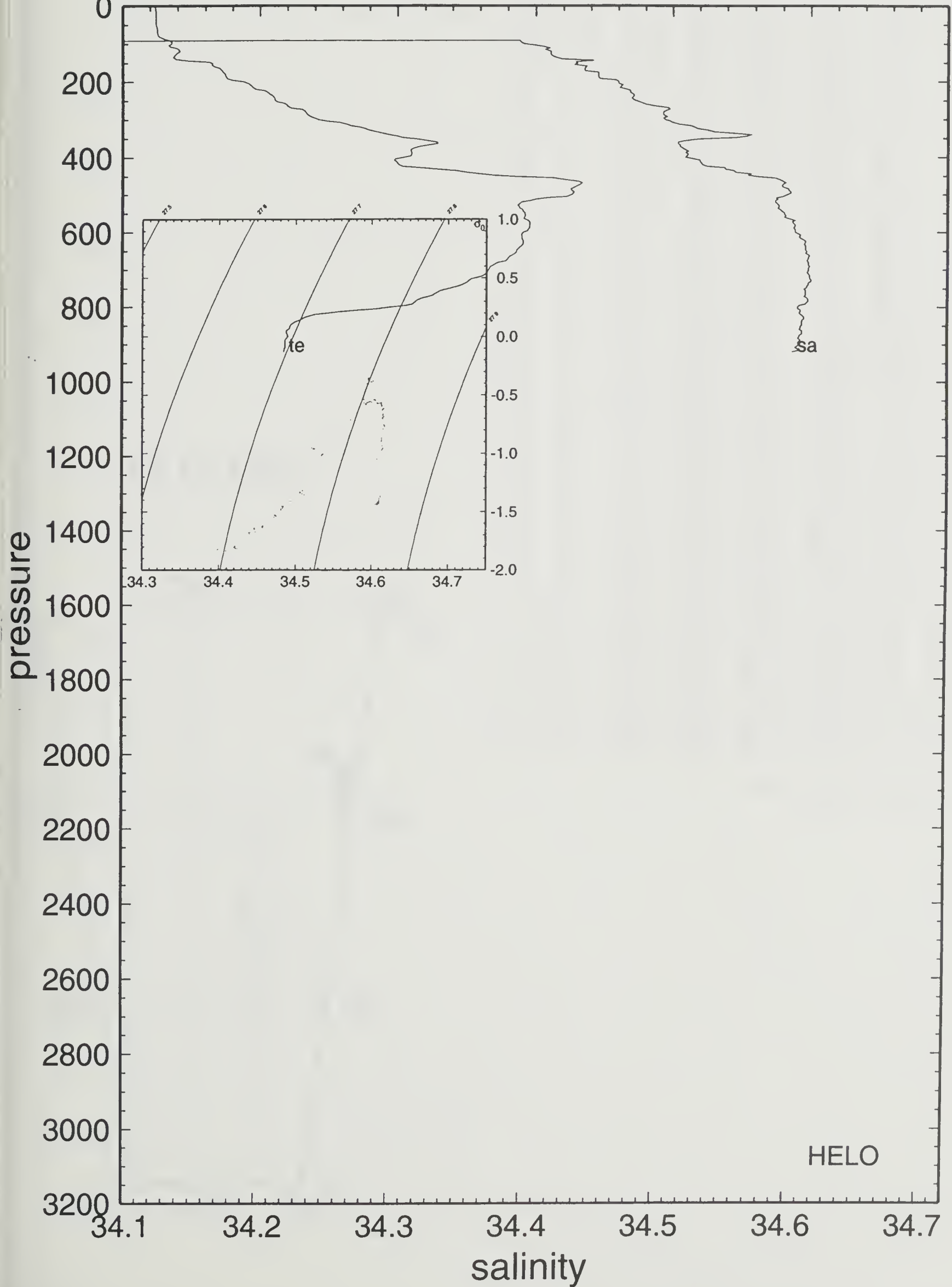
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.897							
10	-1.880							
20	-1.879							
30	-1.878							
40	-1.879							
50	-1.878							
60	-1.875							
70	-1.874							
80	-1.868							
90	-1.836							
100	-1.824	-1.826	34.401	27.695	32.464	37.127	29.52	38.4
110	-1.814	-1.816	34.418	27.708	32.477	37.139	2.06	37.0
120	-1.794	-1.796	34.421	27.710	32.479	37.140	0.76	36.8
130	-1.810	-1.813	34.422	27.711	32.480	37.142	0.64	36.6
140	-1.807	-1.810	34.429	27.717	32.486	37.147	1.32	36.0
150	-1.681	-1.684	34.440	27.723	32.487	37.145	1.23	35.5
160	-1.670	-1.673	34.448	27.729	32.493	37.150	1.38	34.9
170	-1.641	-1.645	34.446	27.726	32.490	37.146	-0.90	35.1
180	-1.629	-1.633	34.457	27.735	32.498	37.154	1.63	34.2
190	-1.622	-1.626	34.458	27.735	32.498	37.154	0.42	34.1
200	-1.561	-1.566	34.472	27.745	32.506	37.159	1.69	33.2
210	-1.533	-1.538	34.474	27.746	32.506	37.158	0.43	33.1
220	-1.517	-1.522	34.478	27.749	32.508	37.160	0.91	32.8
230	-1.469	-1.475	34.482	27.750	32.508	37.159	0.66	32.6
240	-1.451	-1.457	34.483	27.751	32.508	37.158	0.19	32.5
250	-1.444	-1.450	34.486	27.753	32.510	37.160	0.82	32.3
260	-1.405	-1.412	34.493	27.757	32.513	37.162	1.13	31.8
270	-1.369	-1.376	34.510	27.770	32.524	37.172	1.96	30.6
280	-1.335	-1.342	34.506	27.765	32.519	37.165	-1.21	31.0
290	-1.321	-1.329	34.507	27.766	32.519	37.165	0.26	31.0
300	-1.288	-1.296	34.507	27.765	32.517	37.162	-0.67	31.1
325	-1.115	-1.124	34.534	27.780	32.527	37.167	1.32	29.6
350	-0.957	-0.968	34.547	27.785	32.527	37.161	0.60	29.3
375	-0.937	-0.948	34.521	27.763	32.504	37.139	-1.66	31.3
400	-0.979	-0.991	34.523	27.766	32.509	37.145	0.69	30.8
425	-0.966	-0.979	34.543	27.782	32.524	37.159	1.39	29.3
450	-0.617	-0.632	34.574	27.793	32.524	37.148	0.86	28.7
475	-0.345	-0.362	34.595	27.798	32.520	37.137	0.30	28.6
500	-0.370	-0.388	34.599	27.802	32.525	37.142	0.78	28.1
550	-0.538	-0.558	34.597	27.808	32.537	37.159	0.75	27.2
600	-0.544	-0.566	34.605	27.815	32.544	37.166	0.66	26.4
650	-0.567	-0.591	34.613	27.823	32.552	37.175	0.71	25.6
700	-0.668	-0.693	34.615	27.829	32.561	37.187	0.72	24.7
750	-0.813	-0.839	34.613	27.833	32.570	37.201	0.70	23.9
800	-1.022	-1.049	34.607	27.837	32.580	37.217	0.73	22.9
850	-1.390	-1.417	34.610	27.852	32.607	37.255	1.25	20.4
900	-1.409	-1.437	34.608	27.851	32.607	37.255	-0.15	20.2
920	-1.413	-1.442	34.603	27.848	32.603	37.252	-0.76	20.5

# HELO 30



# temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

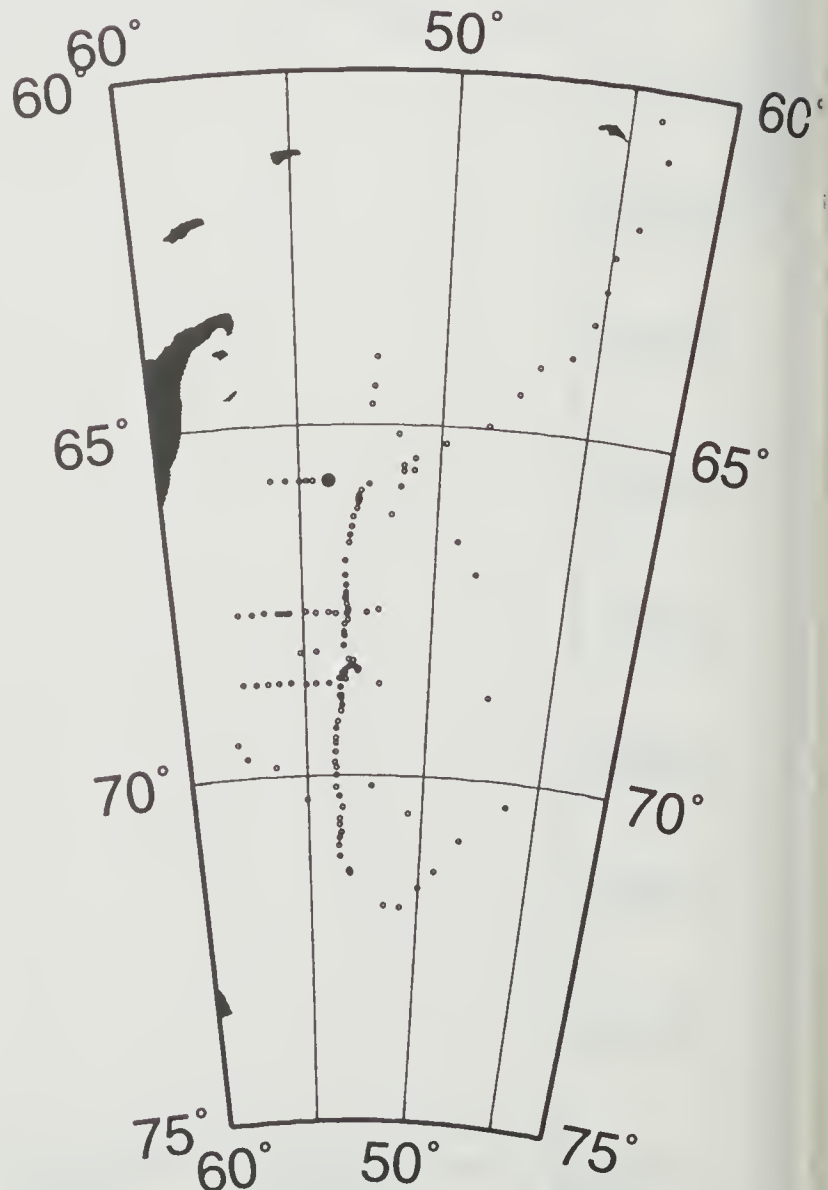


bottom depth = 1494

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.895	-1.895	34.389	27.687	32.459	37.123	0.00	39.7
10	-1.871	-1.871	34.392	27.689	32.460	37.123	0.76	39.5
20	-1.870	-1.870	34.390	27.687	32.458	37.122	-0.72	39.6
30	-1.871	-1.872	34.391	27.688	32.459	37.123	0.51	39.4
40	-1.871	-1.872	34.392	27.689	32.460	37.123	0.51	39.3
50	-1.871	-1.872	34.392	27.689	32.460	37.124	0.04	39.2
60	-1.869	-1.870	34.395	27.691	32.462	37.126	0.86	38.9
70	-1.864	-1.865	34.394	27.690	32.461	37.125	-0.54	39.0
80	-1.863	-1.865	34.392	27.688	32.459	37.123	-0.72	39.1
90	-1.860	-1.862	34.394	27.690	32.461	37.124	0.70	38.9
100	-1.858	-1.860	34.397	27.692	32.463	37.126	0.86	38.6
110	-1.828	-1.830	34.402	27.696	32.465	37.128	1.00	38.2
120	-1.785	-1.787	34.410	27.701	32.469	37.130	1.27	37.7
130	-1.745	-1.748	34.416	27.705	32.472	37.131	1.06	37.3
140	-1.691	-1.694	34.428	27.713	32.478	37.136	1.58	36.4
150	-1.647	-1.650	34.438	27.720	32.484	37.140	1.44	35.8
160	-1.621	-1.625	34.443	27.723	32.486	37.142	1.00	35.4
170	-1.604	-1.608	34.445	27.724	32.487	37.142	0.57	35.3
180	-1.577	-1.581	34.452	27.729	32.491	37.145	1.22	34.8
190	-1.559	-1.563	34.453	27.730	32.490	37.144	0.23	34.7
200	-1.542	-1.547	34.457	27.732	32.493	37.146	0.91	34.4
210	-1.526	-1.531	34.462	27.736	32.496	37.148	1.04	34.0
220	-1.505	-1.510	34.462	27.735	32.494	37.146	-0.50	34.0
230	-1.474	-1.480	34.465	27.737	32.495	37.146	0.62	33.9
240	-1.465	-1.471	34.471	27.741	32.499	37.150	1.19	33.4
250	-1.431	-1.437	34.476	27.744	32.501	37.151	0.92	33.1
260	-1.319	-1.326	34.485	27.748	32.501	37.147	0.92	32.8
270	-1.261	-1.268	34.491	27.751	32.502	37.146	0.87	32.5
280	-1.227	-1.235	34.500	27.757	32.507	37.150	1.35	31.9
290	-1.118	-1.126	34.504	27.756	32.503	37.143	-0.72	32.1
300	-1.067	-1.076	34.507	27.757	32.502	37.140	0.16	32.0
325	-0.760	-0.770	34.534	27.766	32.502	37.131	0.92	31.3
350	-0.637	-0.648	34.550	27.774	32.506	37.131	0.90	30.6
375	-0.405	-0.418	34.569	27.779	32.504	37.122	0.54	30.4
400	-0.152	-0.167	34.589	27.783	32.500	37.111	0.34	30.3
425	-0.053	-0.069	34.599	27.786	32.500	37.108	0.48	30.1
450	0.088	0.070	34.617	27.793	32.503	37.106	0.81	29.6
475	0.233	0.213	34.631	27.797	32.502	37.101	0.42	29.4
500	0.314	0.293	34.641	27.800	32.503	37.100	0.55	29.2
550	0.416	0.392	34.656	27.807	32.506	37.100	0.55	28.8
600	0.444	0.417	34.664	27.812	32.511	37.104	0.53	28.4
650	0.419	0.390	34.664	27.813	32.513	37.107	0.36	28.3
700	0.395	0.364	34.666	27.816	32.517	37.112	0.48	28.0
750	0.347	0.313	34.665	27.819	32.520	37.117	0.44	27.7
800	0.279	0.243	34.664	27.822	32.526	37.124	0.55	27.3
850	0.222	0.184	34.660	27.822	32.528	37.127	0.31	27.2
900	0.088	0.048	34.650	27.821	32.531	37.135	0.43	26.9
950	0.008	-0.034	34.649	27.825	32.537	37.143	0.60	26.4
1000	-0.110	-0.153	34.641	27.824	32.540	37.150	0.45	26.1
1100	-0.307	-0.354	34.636	27.830	32.552	37.168	0.62	24.9
1200	-0.418	-0.469	34.633	27.833	32.559	37.178	0.47	24.1
1300	-0.719	-0.772	34.620	27.836	32.571	37.199	0.67	22.6
1400	-1.153	-1.207	34.616	27.850	32.598	37.240	0.99	19.3
1465	-1.426	-1.480	34.622	27.864	32.621	37.271	1.12	16.7

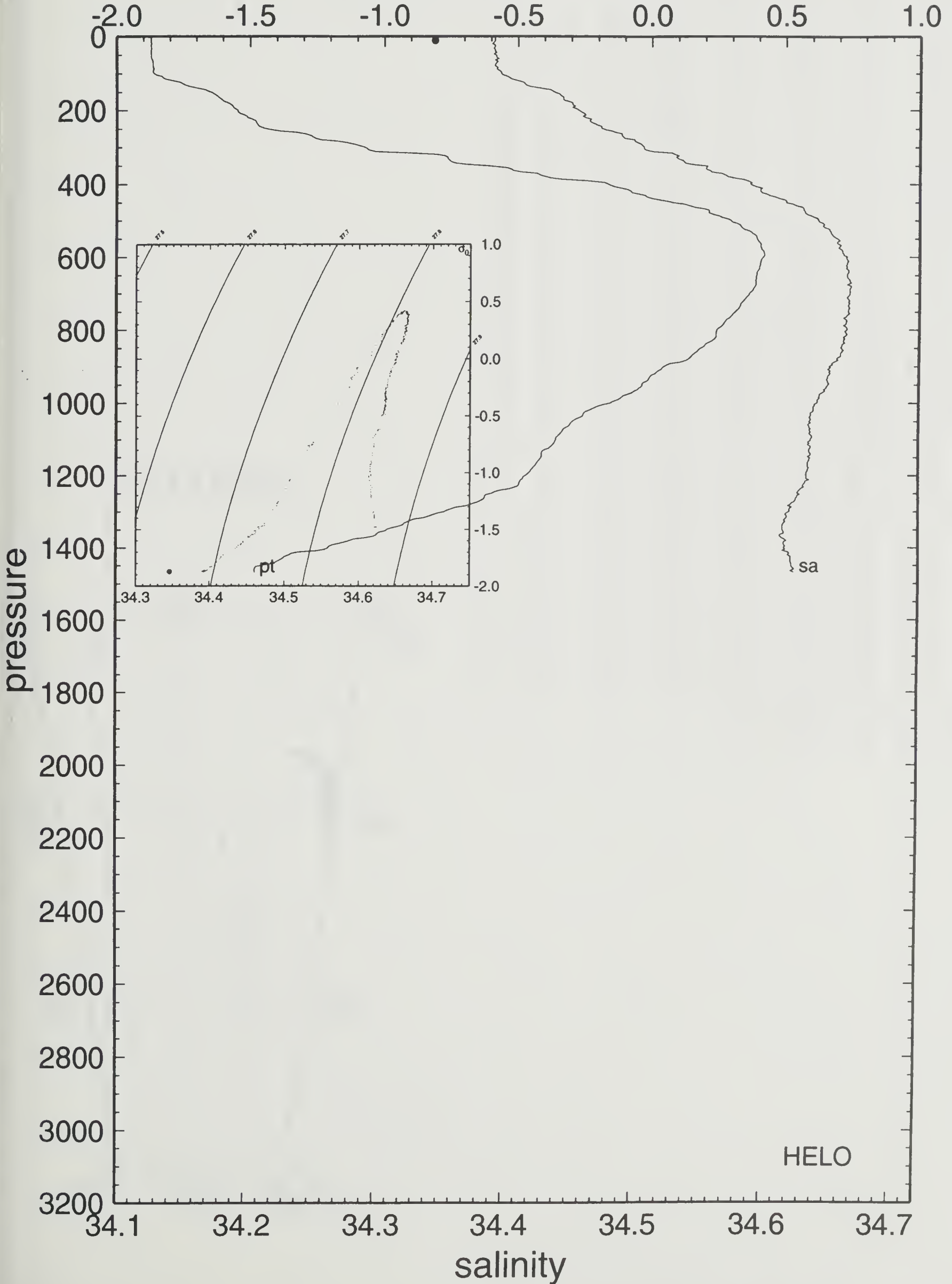
PRES	TEMPER	POTEMP	SLINTY	OXYG
11	-1.871	-1.871	34.346	

# HELO 31





### potential temperature



HELO

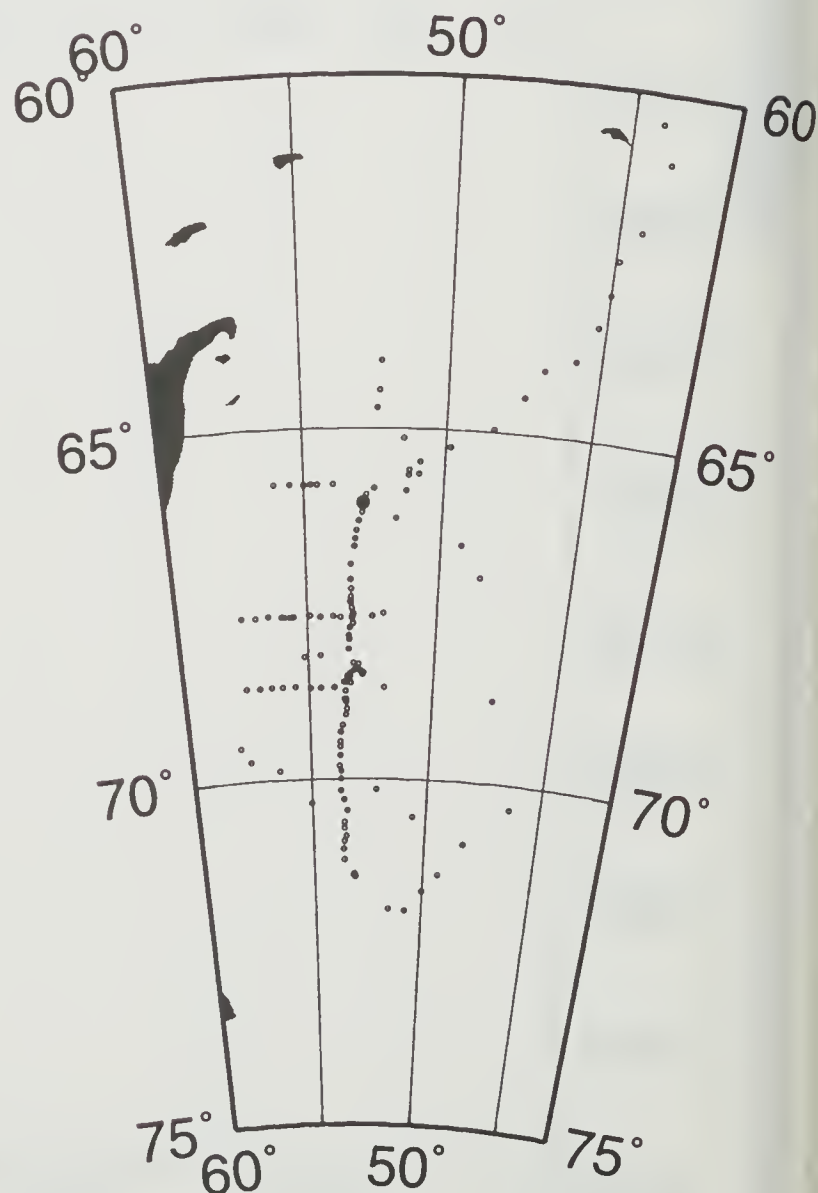
ISW-I -66.0555 -52.8740 92/05/29 150 16:37 HELO STA# 32

bottom depth =

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.884	-1.884	34.424	27.715	32.486	37.150	0.00	37.0
10	-1.883	-1.883	34.421	27.712	32.484	37.148	-0.88	37.2
20	-1.883	-1.883	34.419	27.711	32.482	37.146	-0.71	37.3
30	-1.880	-1.881	34.418	27.710	32.481	37.145	-0.53	37.3
40	-1.879	-1.880	34.420	27.712	32.483	37.146	0.71	37.1
50	-1.878	-1.879	34.422	27.713	32.484	37.148	0.71	36.9
60	-1.870	-1.871	34.422	27.713	32.484	37.147	-0.26	36.9
70	-1.872	-1.873	34.423	27.714	32.485	37.148	0.52	36.7
80	-1.872	-1.874	34.422	27.713	32.484	37.148	-0.50	36.7
90	-1.849	-1.851	34.430	27.719	32.489	37.152	1.35	36.1
100	-1.828	-1.830	34.432	27.720	32.490	37.152	0.56	36.0
110	-1.806	-1.808	34.441	27.727	32.496	37.157	1.44	35.3
120	-1.783	-1.785	34.445	27.729	32.497	37.158	0.89	35.0
130	-1.764	-1.767	34.450	27.733	32.500	37.160	1.04	34.6
140	-1.762	-1.765	34.452	27.735	32.502	37.162	0.70	34.4
150	-1.759	-1.762	34.454	27.736	32.503	37.163	0.69	34.2
160	-1.756	-1.759	34.455	27.737	32.504	37.164	0.48	34.1
170	-1.743	-1.747	34.460	27.741	32.507	37.166	1.07	33.7
180	-1.707	-1.711	34.464	27.743	32.508	37.166	0.80	33.4
190	-1.697	-1.701	34.465	27.743	32.508	37.166	0.39	33.3
200	-1.658	-1.662	34.471	27.747	32.511	37.167	1.05	32.9
210	-1.622	-1.627	34.472	27.747	32.510	37.165	-0.38	32.9
220	-1.617	-1.622	34.481	27.754	32.517	37.172	1.49	32.2
230	-1.418	-1.424	34.495	27.759	32.515	37.164	1.08	31.8
240	-1.271	-1.277	34.510	27.766	32.518	37.162	1.38	31.2
250	-1.125	-1.132	34.517	27.767	32.514	37.154	-0.45	31.2
260	-0.936	-0.944	34.535	27.774	32.515	37.149	1.35	30.6
270	-0.684	-0.693	34.551	27.777	32.510	37.136	0.39	30.5
280	-0.623	-0.632	34.560	27.782	32.513	37.137	1.13	30.1
290	-0.508	-0.518	34.562	27.778	32.506	37.127	-1.19	30.5
300	-0.495	-0.505	34.566	27.781	32.508	37.129	0.89	30.3
325	-0.175	-0.187	34.595	27.789	32.506	37.118	0.80	29.7
350	-0.099	-0.112	34.602	27.791	32.506	37.115	0.37	29.6
375	0.069	0.054	34.619	27.796	32.506	37.110	0.63	29.3
400	0.163	0.147	34.627	27.797	32.504	37.106	0.21	29.3
425	0.269	0.251	34.640	27.802	32.506	37.104	0.65	29.0
450	0.395	0.376	34.651	27.804	32.504	37.098	0.12	29.0
475	0.430	0.410	34.656	27.806	32.505	37.098	0.45	28.9
500	0.481	0.459	34.662	27.808	32.505	37.097	0.38	28.8
550	0.532	0.507	34.673	27.814	32.510	37.100	0.57	28.3
600	0.558	0.531	34.676	27.815	32.510	37.100	0.19	28.3
650	0.560	0.530	34.679	27.817	32.513	37.102	0.39	28.2
700	0.538	0.506	34.683	27.822	32.518	37.108	0.57	27.8
750	0.525	0.490	34.682	27.822	32.519	37.109	0.17	27.8
800	0.504	0.467	34.684	27.825	32.522	37.114	0.47	27.5
850	0.490	0.450	34.683	27.825	32.523	37.115	0.19	27.5
900	0.477	0.434	34.682	27.825	32.523	37.116	0.18	27.5
950	0.424	0.379	34.681	27.828	32.528	37.122	0.50	27.2
1000	0.387	0.340	34.680	27.829	32.530	37.125	0.40	27.0

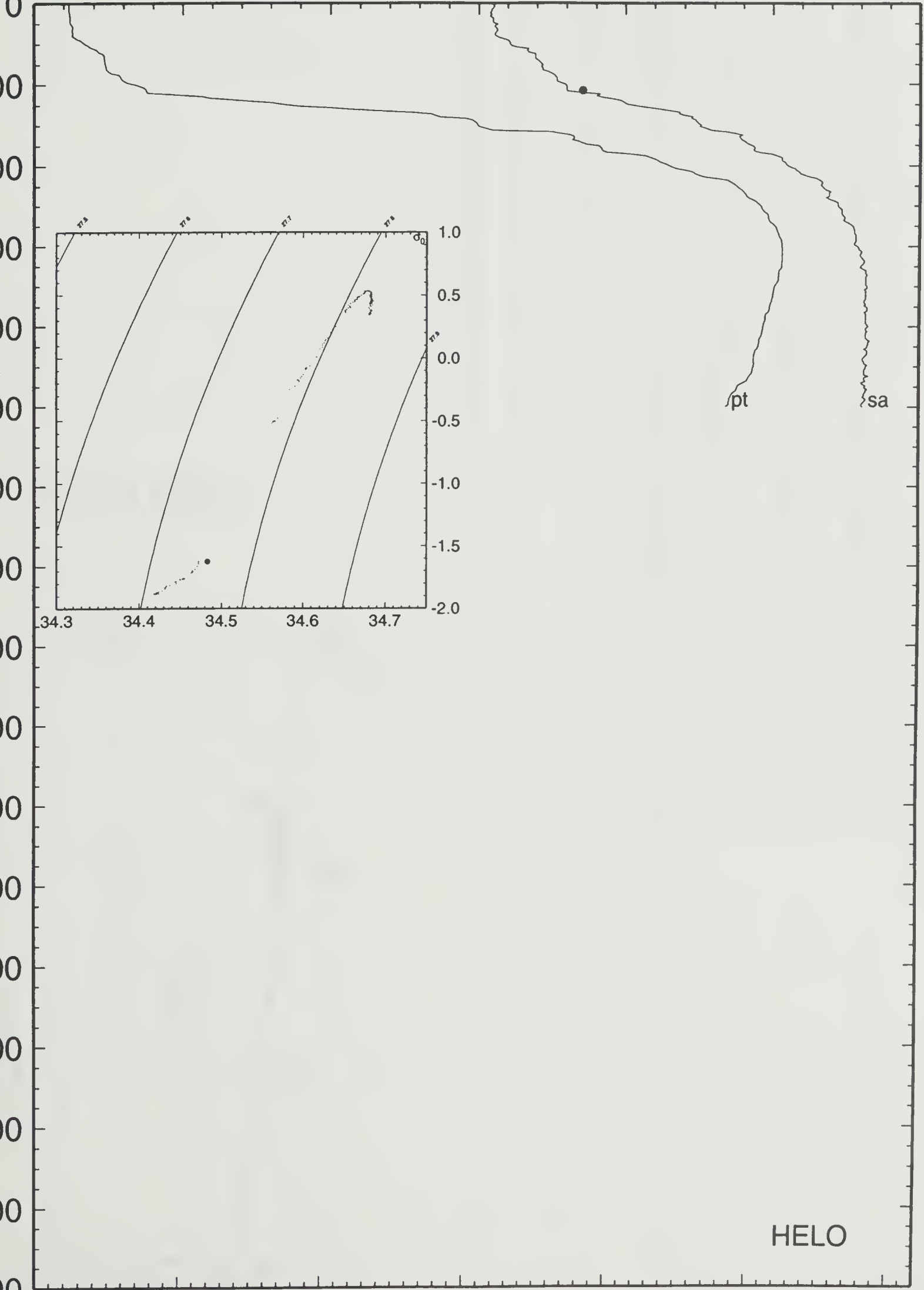
PRES	TEMPER	POTEMP	SLINTY	OXYG
214	-1.619	-1.624	34.483	

# HELO 32



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



pressure

34.1 34.2 34.3 34.4 34.5 34.6 34.7

salinity

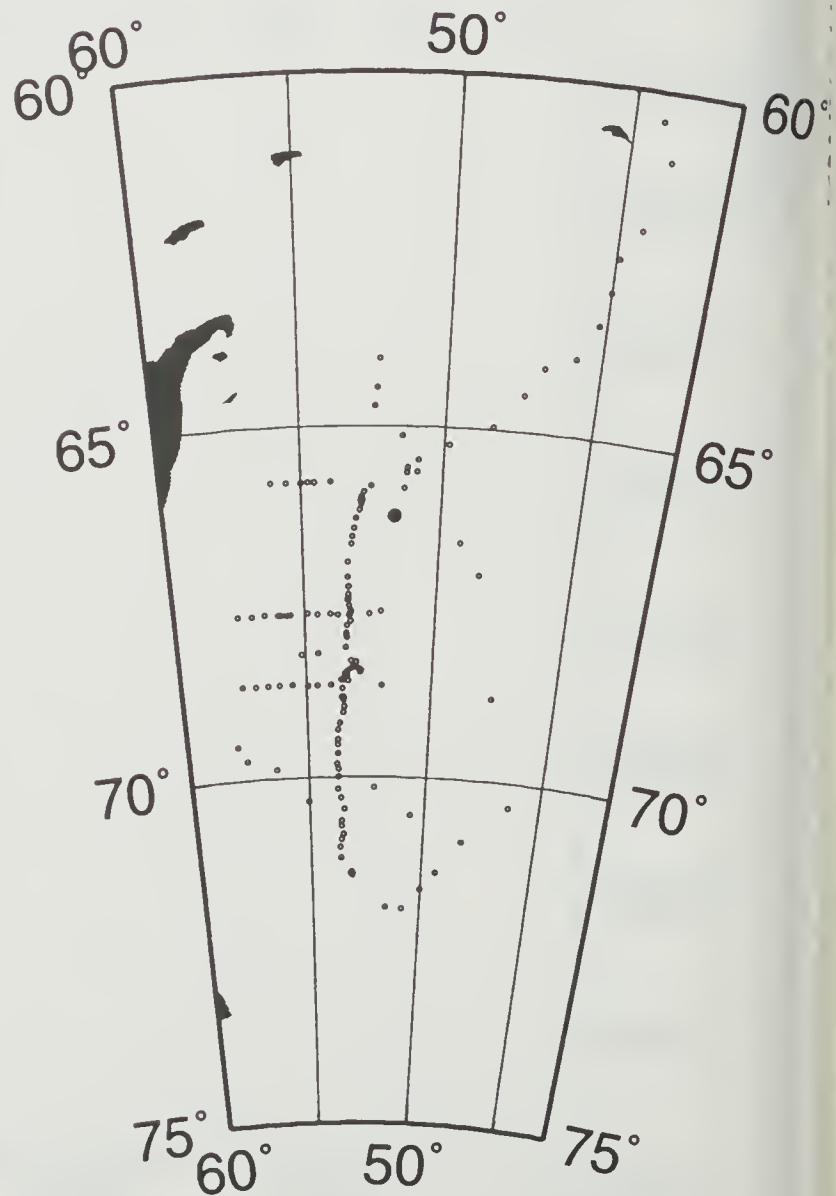
HELO

ISW-I -66.2745 -51.6702 92/06/01 153 15:09 HELO STA# 33

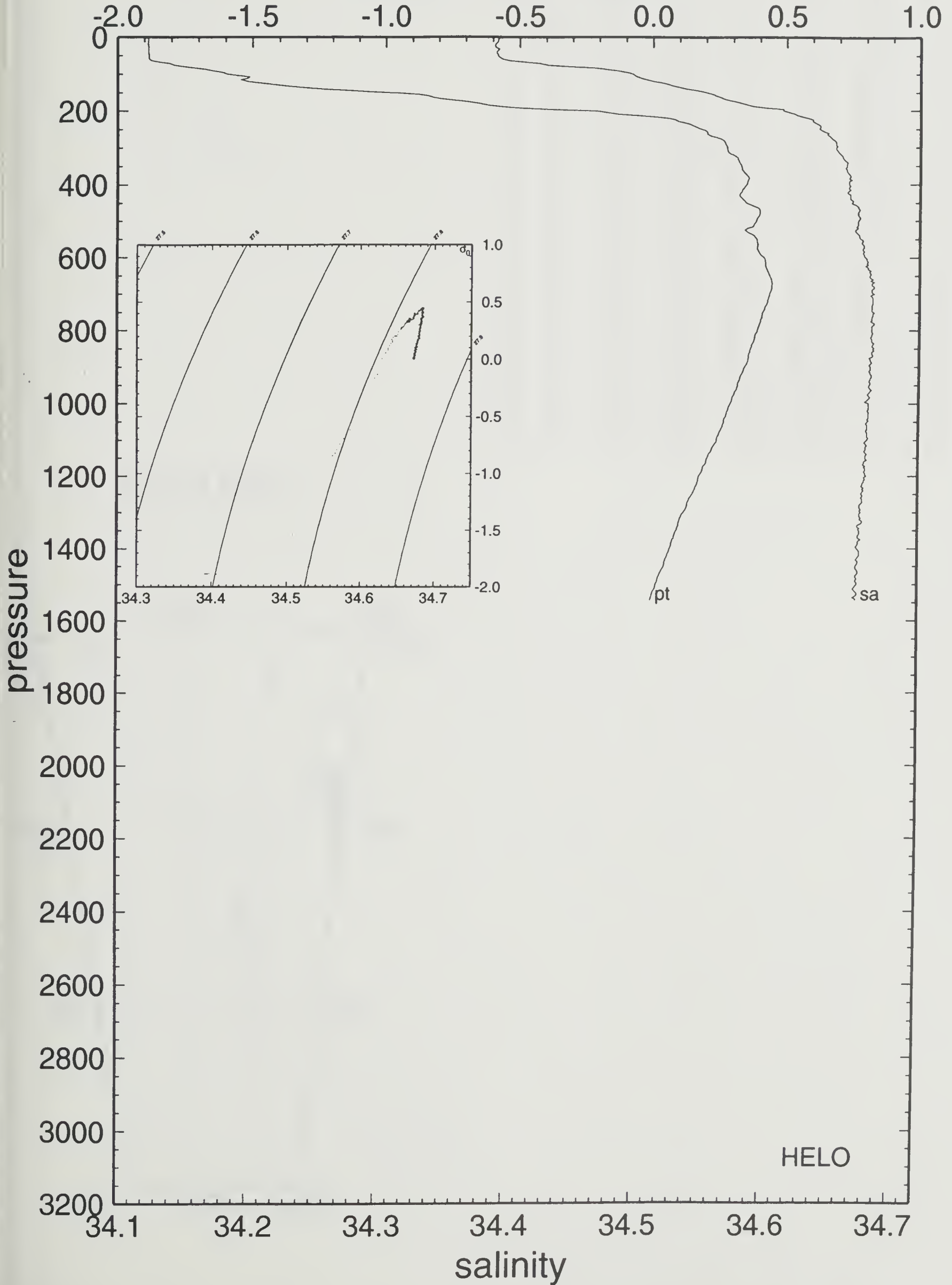
bottom depth =

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.889	-1.889	34.407	27.701	32.473	37.137	0.00	38.3
10	-1.885	-1.885	34.393	27.690	32.461	37.125	-1.90	39.4
20	-1.886	-1.886	34.391	27.688	32.460	37.124	-0.71	39.5
30	-1.885	-1.886	34.393	27.690	32.461	37.126	0.71	39.2
40	-1.884	-1.885	34.392	27.689	32.461	37.125	-0.51	39.3
50	-1.883	-1.884	34.393	27.690	32.461	37.125	0.50	39.1
60	-1.881	-1.882	34.397	27.693	32.464	37.128	1.00	38.8
70	-1.824	-1.825	34.419	27.709	32.479	37.141	2.26	37.2
80	-1.754	-1.756	34.449	27.732	32.499	37.158	2.64	35.0
90	-1.658	-1.660	34.481	27.755	32.519	37.175	2.68	32.7
100	-1.595	-1.597	34.498	27.767	32.529	37.183	1.92	31.6
110	-1.513	-1.516	34.503	27.769	32.528	37.179	0.63	31.4
120	-1.514	-1.517	34.514	27.778	32.537	37.188	1.68	30.5
130	-1.400	-1.403	34.527	27.785	32.540	37.188	1.42	29.9
140	-1.232	-1.236	34.539	27.789	32.538	37.181	1.01	29.5
150	-0.997	-1.001	34.554	27.792	32.534	37.170	0.86	29.2
160	-0.839	-0.844	34.562	27.792	32.530	37.161	-0.42	29.3
170	-0.762	-0.767	34.570	27.795	32.531	37.159	0.95	29.0
180	-0.649	-0.655	34.581	27.800	32.531	37.156	1.04	28.6
190	-0.527	-0.533	34.594	27.805	32.533	37.154	1.17	28.2
200	-0.205	-0.212	34.614	27.806	32.524	37.135	-0.58	28.3
210	-0.090	-0.098	34.624	27.808	32.522	37.131	0.70	28.1
220	0.065	0.057	34.634	27.808	32.518	37.121	-0.57	28.2
230	0.116	0.107	34.638	27.808	32.517	37.119	0.22	28.2
240	0.157	0.148	34.643	27.810	32.517	37.118	0.69	28.1
250	0.193	0.183	34.643	27.808	32.514	37.114	-0.83	28.3
260	0.213	0.203	34.649	27.812	32.517	37.117	1.06	27.9
270	0.237	0.226	34.651	27.812	32.517	37.116	0.19	27.9
280	0.273	0.262	34.654	27.813	32.516	37.114	0.20	27.9
290	0.281	0.269	34.655	27.813	32.516	37.114	0.31	27.9
300	0.289	0.277	34.655	27.813	32.516	37.113	-0.39	27.9
325	0.324	0.311	34.660	27.815	32.517	37.113	0.47	27.8
350	0.343	0.329	34.663	27.816	32.518	37.113	0.39	27.7
375	0.365	0.349	34.666	27.817	32.518	37.113	0.35	27.6
400	0.366	0.349	34.665	27.817	32.517	37.112	-0.31	27.7
425	0.344	0.326	34.665	27.818	32.519	37.115	0.45	27.6
450	0.366	0.347	34.667	27.818	32.519	37.114	0.13	27.6
475	0.420	0.400	34.672	27.819	32.519	37.112	0.17	27.6
500	0.408	0.386	34.672	27.820	32.520	37.114	0.35	27.5
550	0.413	0.389	34.675	27.822	32.522	37.116	0.37	27.3
600	0.444	0.417	34.678	27.823	32.522	37.115	0.13	27.4
650	0.469	0.440	34.681	27.824	32.522	37.115	0.21	27.4
700	0.470	0.438	34.685	27.827	32.526	37.118	0.46	27.1
750	0.448	0.414	34.684	27.828	32.527	37.120	0.27	27.1
800	0.430	0.393	34.683	27.828	32.528	37.122	0.23	27.0
850	0.407	0.368	34.685	27.832	32.532	37.126	0.48	26.7
900	0.388	0.346	34.682	27.830	32.531	37.126	-0.19	26.8
950	0.364	0.320	34.681	27.831	32.533	37.129	0.30	26.7
1000	0.340	0.293	34.681	27.833	32.535	37.132	0.38	26.6
1100	0.296	0.244	34.680	27.835	32.538	37.136	0.33	26.3
1200	0.237	0.180	34.680	27.838	32.544	37.144	0.42	25.9
1300	0.186	0.123	34.676	27.838	32.546	37.147	0.25	25.7
1400	0.140	0.072	34.673	27.838	32.547	37.150	0.28	25.5
1500	0.093	0.019	34.673	27.841	32.552	37.156	0.40	25.1
1540	0.077	0.001	34.672	27.841	32.553	37.158	0.28	25.0

# HELO 33



### potential temperature

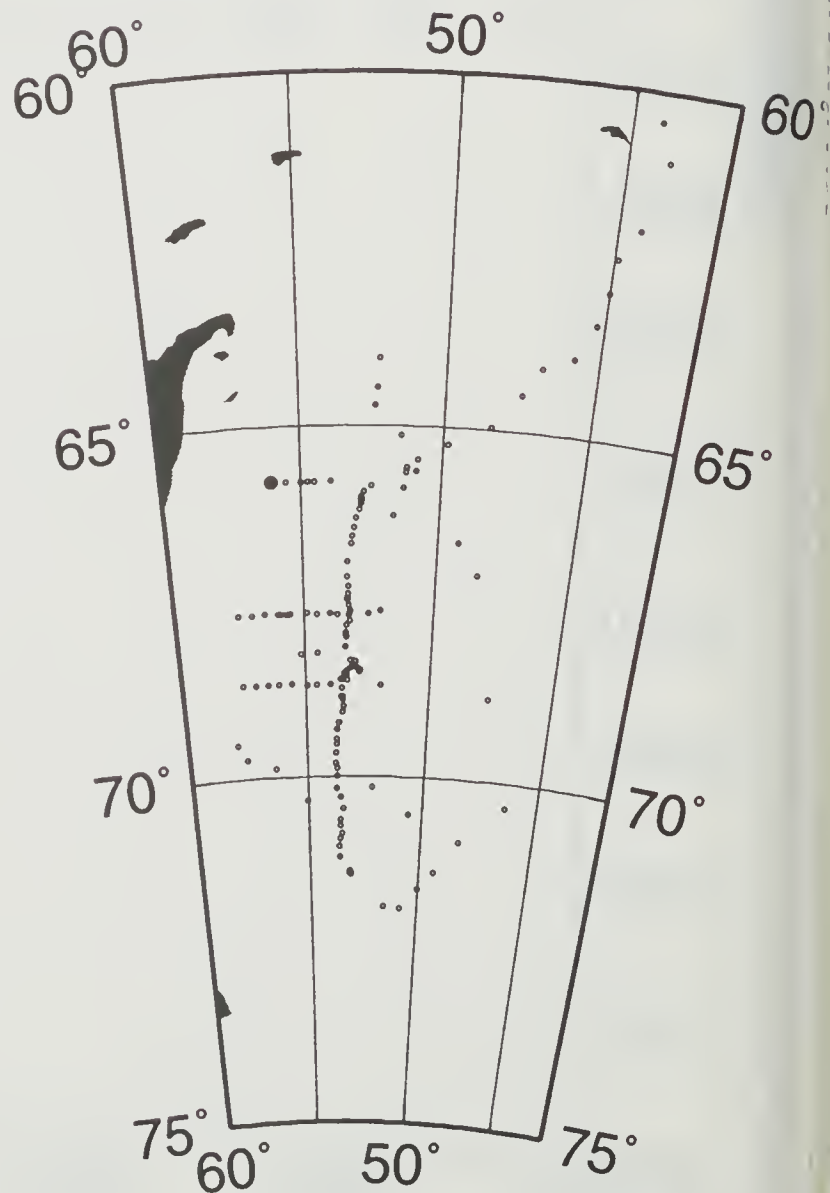


ISW-I -65.7918 -56.0372 92/06/07 153 19:19 HELO STA# 34

bottom depth = 349

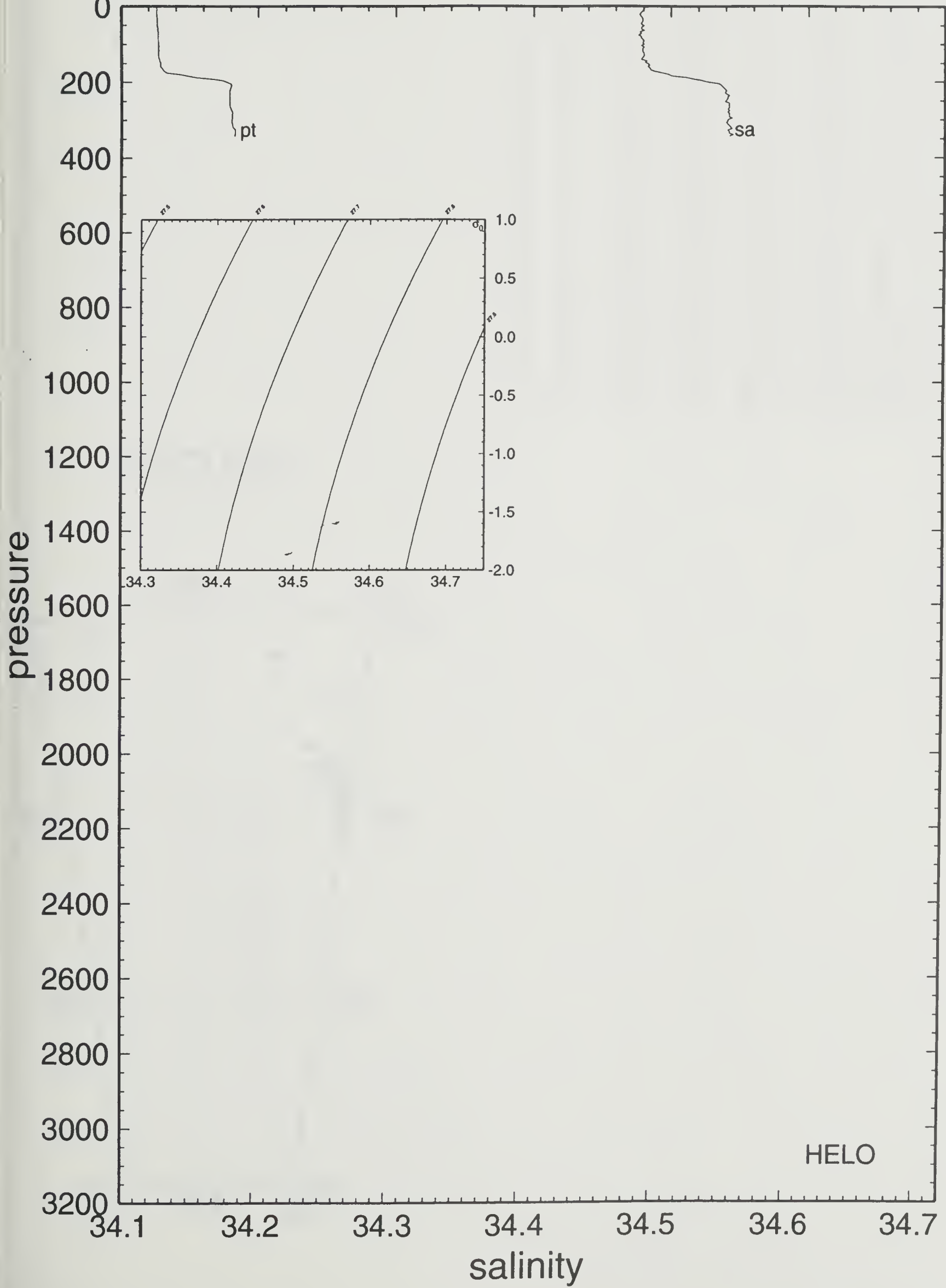
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.875	-1.875	34.503	27.779	32.549	37.212	0.00	31.0
10	-1.869	-1.869	34.493	27.771	32.541	37.204	-1.61	31.7
20	-1.869	-1.869	34.490	27.768	32.538	37.201	-0.87	31.9
30	-1.868	-1.869	34.492	27.770	32.540	37.203	0.71	31.7
40	-1.867	-1.868	34.492	27.770	32.540	37.203	-0.08	31.6
50	-1.867	-1.868	34.492	27.770	32.540	37.203	0.04	31.5
60	-1.866	-1.867	34.491	27.769	32.539	37.202	-0.51	31.6
70	-1.864	-1.865	34.491	27.769	32.539	37.202	-0.13	31.5
80	-1.864	-1.866	34.491	27.769	32.539	37.202	0.04	31.4
90	-1.863	-1.865	34.493	27.771	32.541	37.203	0.71	31.2
100	-1.862	-1.864	34.493	27.771	32.541	37.203	-0.09	31.2
110	-1.861	-1.863	34.493	27.771	32.541	37.203	-0.09	31.1
120	-1.861	-1.863	34.492	27.770	32.540	37.202	-0.50	31.1
130	-1.861	-1.864	34.493	27.771	32.541	37.203	0.51	31.0
140	-1.858	-1.861	34.491	27.769	32.539	37.201	-0.73	31.1
150	-1.854	-1.857	34.495	27.772	32.542	37.204	0.99	30.7
160	-1.854	-1.857	34.496	27.773	32.543	37.205	0.51	30.6
170	-1.841	-1.844	34.500	27.776	32.545	37.207	0.94	30.3
180	-1.787	-1.791	34.511	27.783	32.551	37.211	1.50	29.5
190	-1.692	-1.696	34.528	27.794	32.559	37.216	1.82	28.5
200	-1.612	-1.617	34.540	27.802	32.564	37.218	1.47	27.8
210	-1.595	-1.600	34.551	27.810	32.571	37.225	1.61	27.0
220	-1.598	-1.603	34.554	27.813	32.574	37.228	0.89	26.7
230	-1.599	-1.604	34.555	27.814	32.575	37.229	0.52	26.5
240	-1.599	-1.605	34.556	27.814	32.576	37.230	0.51	26.4
250	-1.599	-1.605	34.555	27.814	32.575	37.229	-0.50	26.4
260	-1.599	-1.605	34.557	27.815	32.577	37.231	0.71	26.2
270	-1.595	-1.601	34.556	27.814	32.576	37.229	-0.55	26.3
280	-1.589	-1.596	34.556	27.814	32.575	37.229	-0.26	26.2
290	-1.589	-1.596	34.557	27.815	32.576	37.230	0.51	26.1
300	-1.589	-1.596	34.556	27.814	32.575	37.229	-0.50	26.1
325	-1.578	-1.586	34.558	27.816	32.576	37.230	0.39	25.9
340	-1.578	-1.586	34.560	27.817	32.578	37.231	0.58	25.7

## HELO 34



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

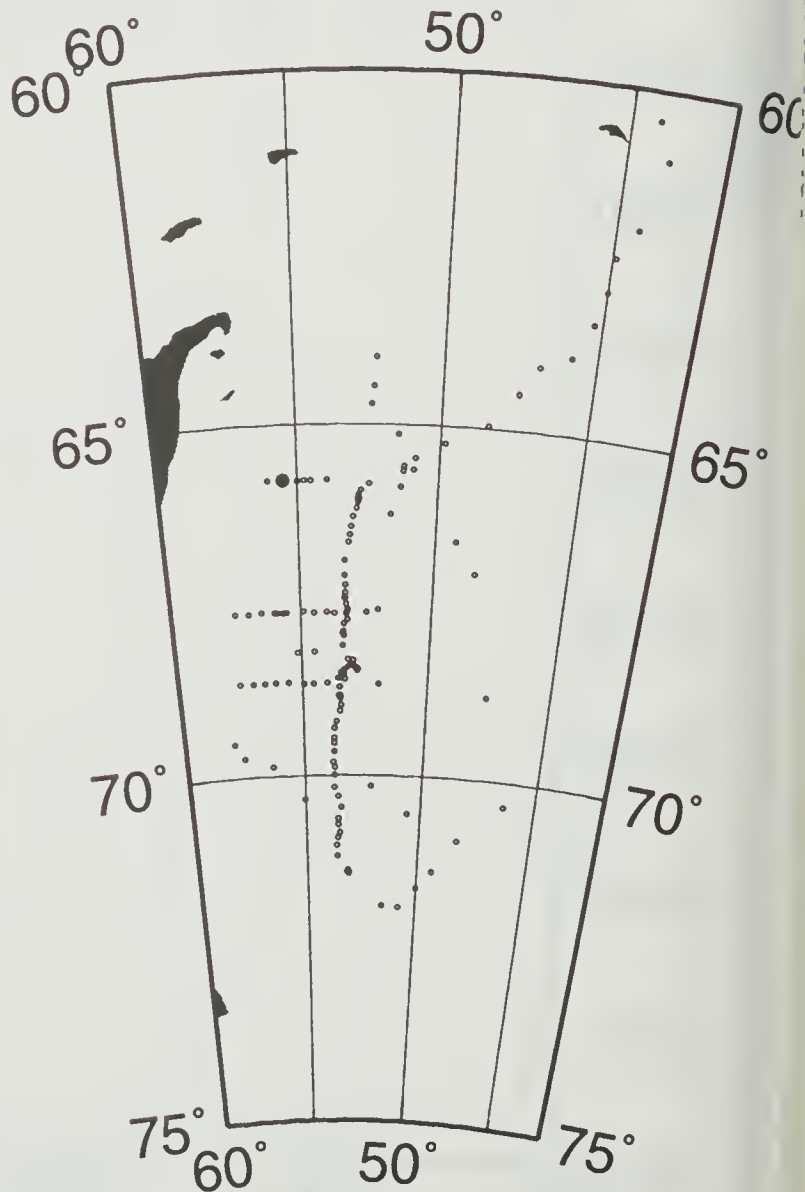


ISW-I -65.7903 -55.4835 92/06/07 153 19:19 HELO STA# 35

bottom depth = 321

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.870	-1.870	34.462	27.746	32.516	37.179	0.00	34.1
10	-1.868	-1.868	34.464	27.747	32.517	37.180	0.70	33.9
20	-1.869	-1.869	34.462	27.745	32.516	37.179	-0.71	34.0
30	-1.867	-1.868	34.464	27.747	32.517	37.180	0.70	33.8
40	-1.867	-1.868	34.466	27.749	32.519	37.182	0.71	33.6
50	-1.867	-1.868	34.465	27.748	32.518	37.181	-0.50	33.6
60	-1.866	-1.867	34.466	27.749	32.519	37.182	0.50	33.5
70	-1.865	-1.866	34.467	27.749	32.520	37.183	0.50	33.3
80	-1.865	-1.867	34.467	27.749	32.520	37.183	0.04	33.3
90	-1.862	-1.864	34.469	27.751	32.521	37.184	0.70	33.1
100	-1.858	-1.860	34.471	27.753	32.523	37.185	0.69	32.9
110	-1.834	-1.836	34.479	27.758	32.528	37.190	1.35	32.3
120	-1.822	-1.824	34.485	27.763	32.532	37.193	1.19	31.8
130	-1.690	-1.693	34.507	27.777	32.542	37.199	2.07	30.4
140	-1.668	-1.671	34.510	27.779	32.543	37.199	0.73	30.2
150	-1.637	-1.640	34.521	27.787	32.550	37.205	1.57	29.4
160	-1.634	-1.638	34.521	27.787	32.550	37.205	-0.17	29.4
170	-1.636	-1.640	34.527	27.792	32.555	37.210	1.24	28.9
180	-1.639	-1.643	34.531	27.795	32.558	37.213	1.02	28.5
190	-1.643	-1.647	34.533	27.797	32.560	37.215	0.74	28.3
200	-1.656	-1.661	34.544	27.806	32.570	37.225	1.71	27.3
210	-1.654	-1.659	34.558	27.818	32.581	37.236	1.88	26.2
220	-1.653	-1.658	34.562	27.821	32.584	37.239	1.00	25.9
230	-1.651	-1.656	34.563	27.822	32.585	37.240	0.48	25.7
240	-1.649	-1.655	34.563	27.822	32.584	37.240	-0.14	25.7
250	-1.650	-1.656	34.562	27.821	32.584	37.239	-0.49	25.7
260	-1.650	-1.656	34.564	27.823	32.585	37.241	0.71	25.5
270	-1.649	-1.655	34.563	27.822	32.584	37.240	-0.51	25.5
280	-1.645	-1.652	34.563	27.822	32.584	37.240	-0.21	25.5
290	-1.641	-1.648	34.562	27.821	32.583	37.239	-0.55	25.5
300	-1.641	-1.648	34.562	27.821	32.583	37.239	0.06	25.5
310	-1.641	-1.648	34.561	27.820	32.582	37.238	-0.50	25.5

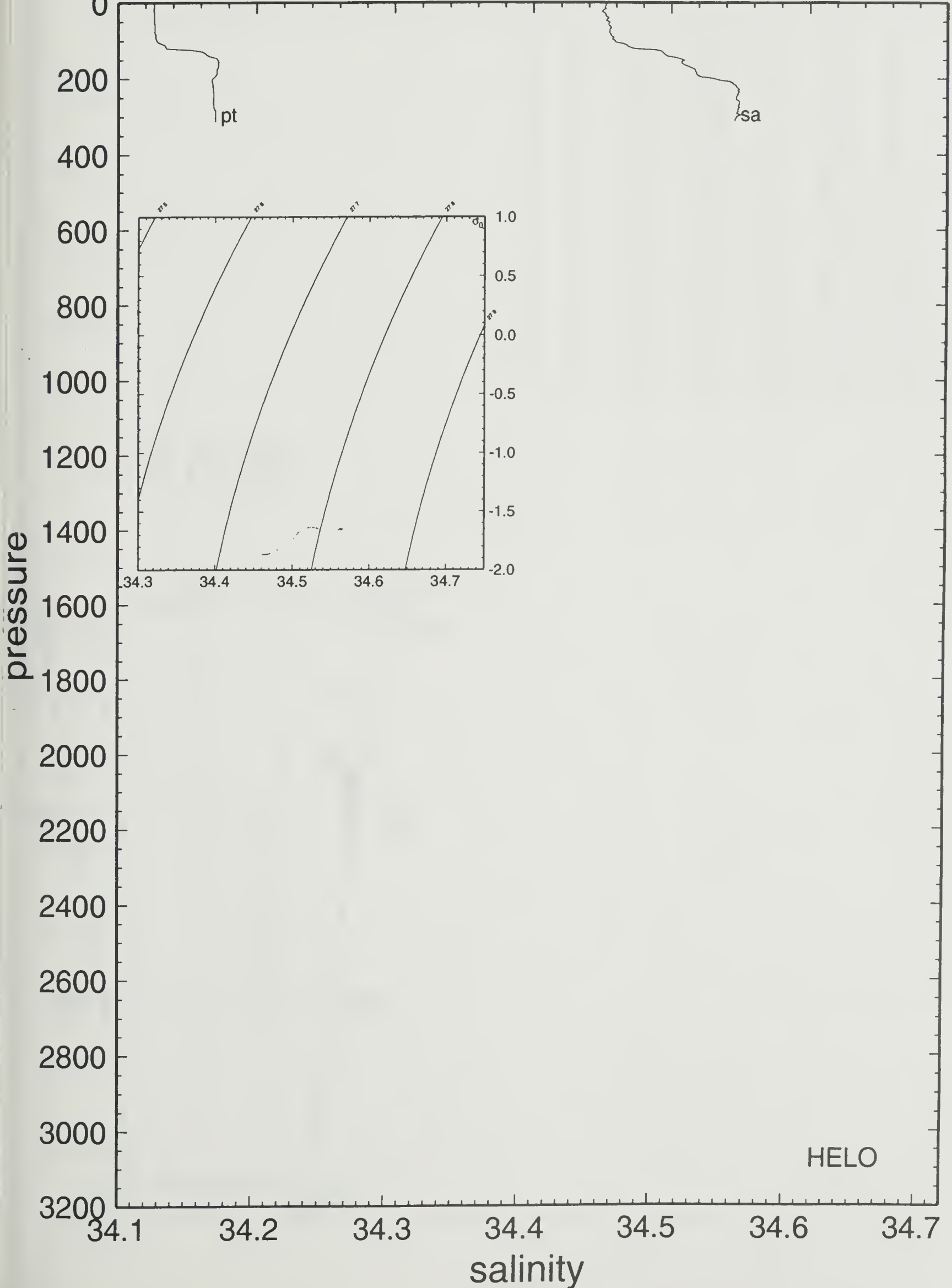
# HELO 35





### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



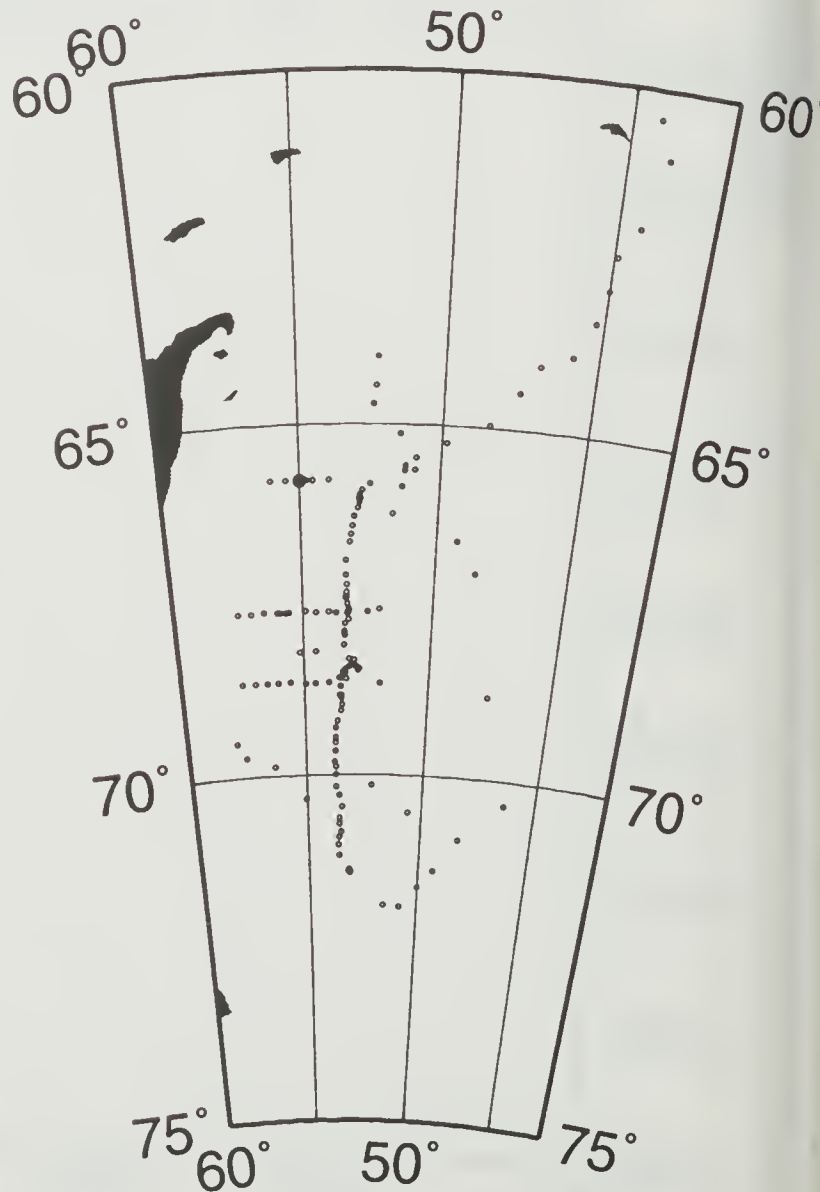
HELO

ISW-I -65.7918 -54.9920 92/06/07 153 19:19 HELO STA# 36

bottom depth = 306

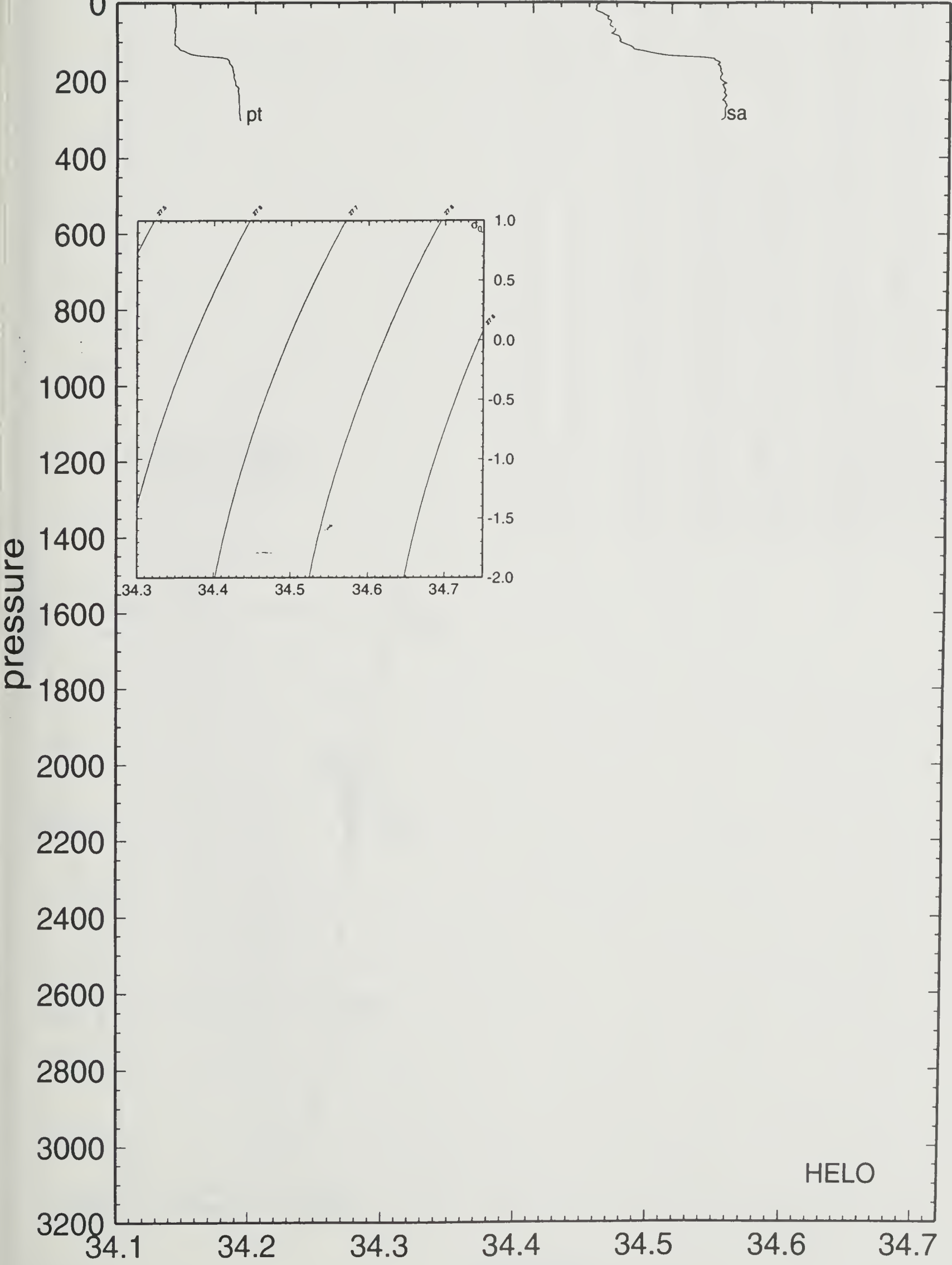
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.804	-1.804	34.465	27.746	32.515	37.176	0.00	34.1
10	-1.790	-1.790	34.457	27.739	32.507	37.168	-1.47	34.7
20	-1.791	-1.791	34.456	27.739	32.507	37.167	-0.49	34.7
30	-1.787	-1.788	34.462	27.743	32.511	37.172	1.22	34.2
40	-1.787	-1.788	34.465	27.746	32.514	37.174	0.87	33.9
50	-1.788	-1.789	34.468	27.748	32.516	37.177	0.88	33.6
60	-1.787	-1.788	34.467	27.747	32.515	37.176	-0.51	33.6
70	-1.790	-1.791	34.471	27.751	32.519	37.179	1.02	33.2
80	-1.789	-1.791	34.468	27.748	32.516	37.177	-0.88	33.4
90	-1.790	-1.792	34.474	27.753	32.521	37.182	1.24	32.9
100	-1.790	-1.792	34.474	27.753	32.521	37.182	0.04	32.8
110	-1.787	-1.789	34.480	27.758	32.526	37.186	1.22	32.3
120	-1.772	-1.774	34.485	27.762	32.529	37.189	1.06	31.9
130	-1.738	-1.741	34.500	27.773	32.539	37.198	1.86	30.8
140	-1.619	-1.622	34.537	27.800	32.562	37.216	2.86	28.3
150	-1.594	-1.597	34.547	27.807	32.568	37.222	1.51	27.6
160	-1.587	-1.591	34.547	27.807	32.568	37.221	-0.27	27.5
170	-1.579	-1.583	34.549	27.808	32.569	37.222	0.65	27.4
180	-1.577	-1.581	34.550	27.809	32.569	37.223	0.48	27.2
190	-1.575	-1.579	34.549	27.808	32.569	37.222	-0.52	27.3
200	-1.570	-1.575	34.550	27.809	32.569	37.222	0.45	27.2
210	-1.569	-1.574	34.552	27.810	32.571	37.224	0.71	27.0
220	-1.557	-1.562	34.552	27.810	32.570	37.223	-0.37	27.0
230	-1.558	-1.563	34.552	27.810	32.570	37.223	0.12	26.9
240	-1.556	-1.562	34.554	27.812	32.571	37.224	0.70	26.7
250	-1.556	-1.562	34.551	27.809	32.569	37.222	-0.87	26.9
260	-1.554	-1.560	34.553	27.811	32.571	37.223	0.70	26.7
270	-1.553	-1.560	34.554	27.811	32.571	37.224	0.49	26.6
280	-1.554	-1.561	34.553	27.811	32.571	37.223	-0.49	26.6
290	-1.552	-1.559	34.553	27.811	32.570	37.223	-0.15	26.6
300	-1.550	-1.557	34.552	27.810	32.570	37.222	-0.52	26.6

## HELO 36



### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



HELO

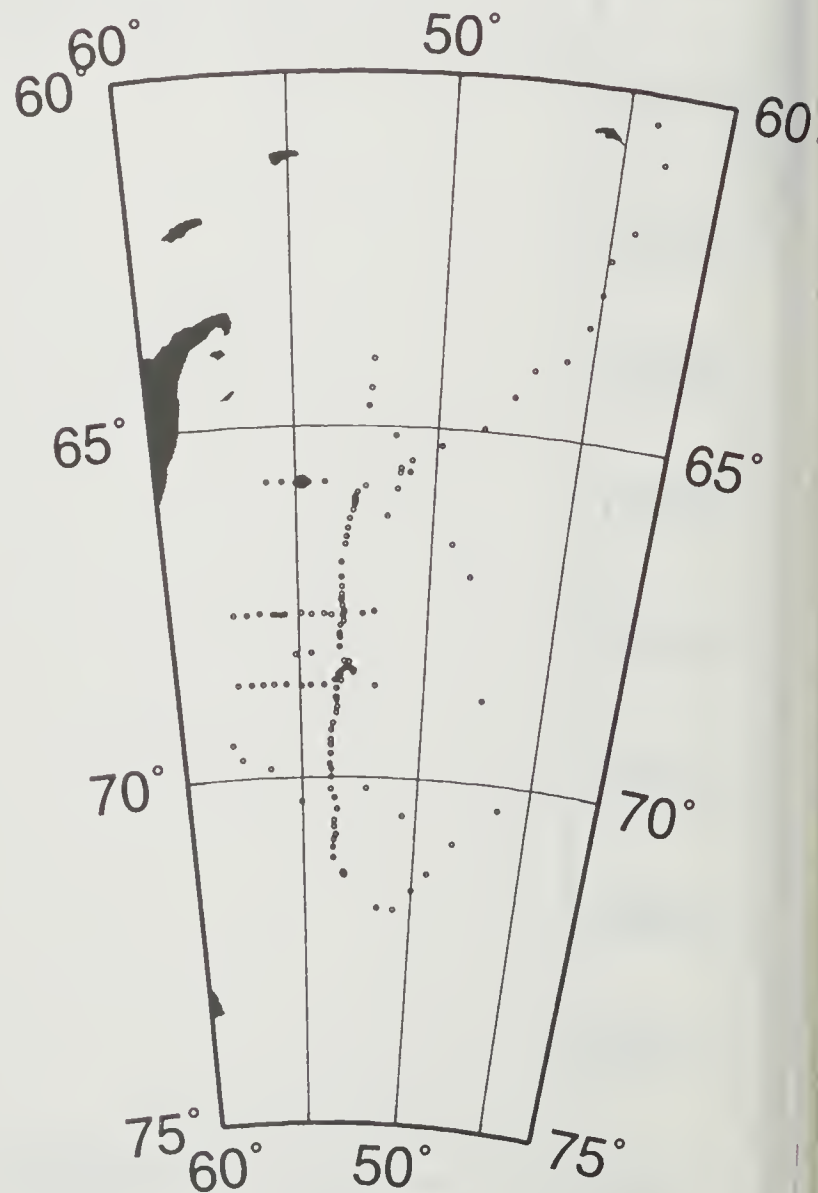
salinity

ISW-I -65.7922 -54.7433 92/06/07 153 19:19 HELO STA# 37

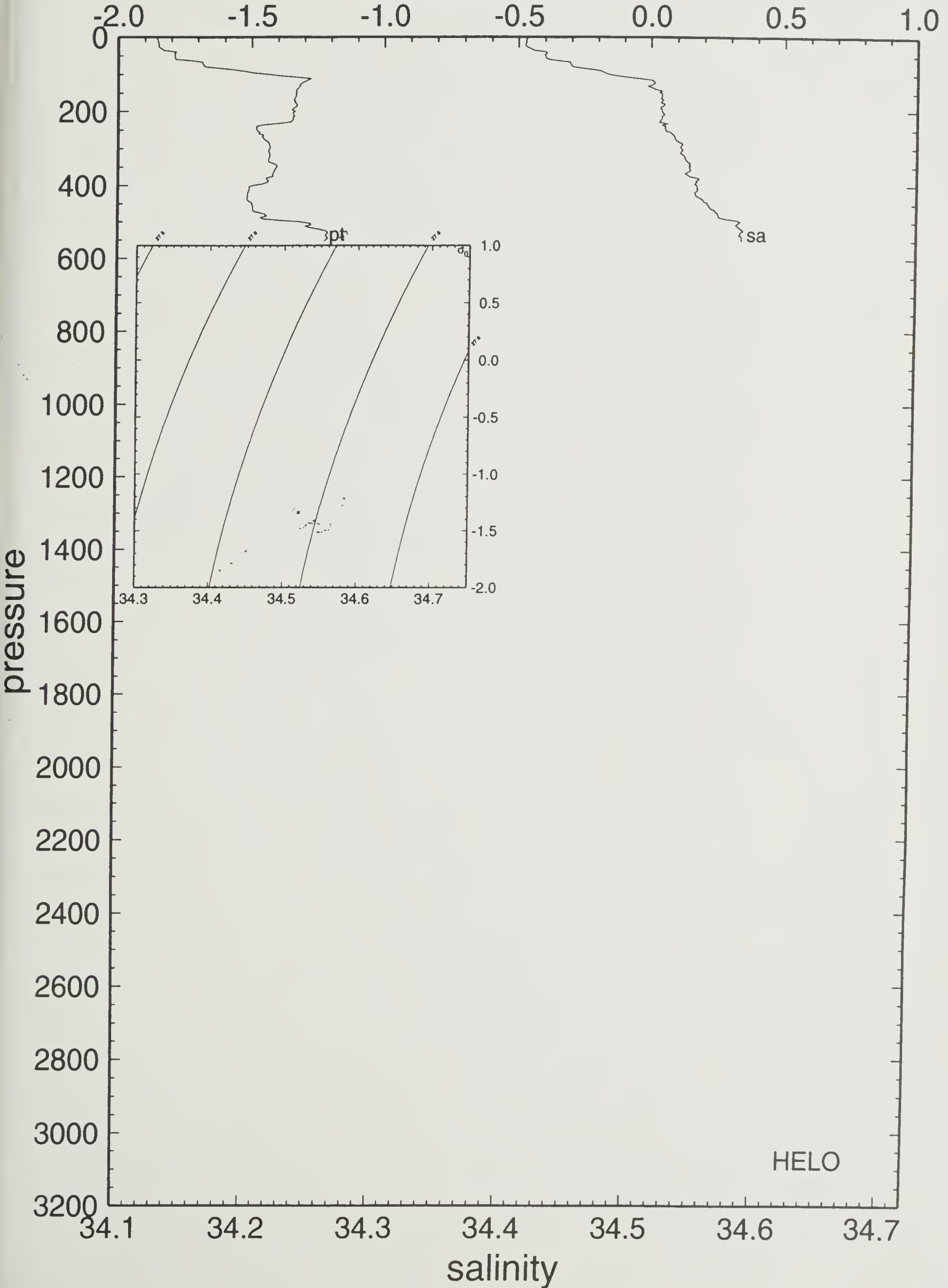
bottom depth = 558

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.855	-1.855	34.416	27.708	32.478	37.141	0.00	37.7
10	-1.852	-1.852	34.416	27.708	32.478	37.141	-0.15	37.7
20	-1.848	-1.848	34.415	27.707	32.477	37.140	-0.54	37.7
30	-1.842	-1.843	34.418	27.709	32.479	37.142	0.85	37.4
40	-1.783	-1.784	34.431	27.718	32.486	37.147	1.67	36.5
50	-1.787	-1.788	34.431	27.718	32.486	37.147	0.19	36.4
60	-1.786	-1.787	34.433	27.720	32.488	37.149	0.71	36.2
70	-1.683	-1.684	34.450	27.731	32.495	37.153	1.83	35.2
80	-1.672	-1.674	34.452	27.732	32.496	37.153	0.63	35.0
90	-1.550	-1.552	34.471	27.744	32.504	37.157	1.89	33.9
100	-1.438	-1.440	34.480	27.748	32.504	37.154	1.04	33.5
110	-1.302	-1.305	34.500	27.759	32.512	37.157	1.88	32.4
120	-1.300	-1.303	34.516	27.772	32.524	37.170	2.01	31.1
130	-1.315	-1.318	34.513	27.770	32.523	37.169	-0.76	31.2
140	-1.327	-1.330	34.517	27.774	32.527	37.173	1.08	30.8
150	-1.328	-1.332	34.521	27.777	32.530	37.176	1.01	30.5
160	-1.329	-1.333	34.522	27.778	32.531	37.177	0.52	30.4
170	-1.335	-1.339	34.522	27.778	32.532	37.178	0.28	30.3
180	-1.325	-1.330	34.524	27.780	32.533	37.178	0.62	30.1
190	-1.334	-1.339	34.521	27.778	32.531	37.177	-0.80	30.3
200	-1.331	-1.336	34.522	27.778	32.531	37.177	0.47	30.2
210	-1.336	-1.341	34.523	27.779	32.533	37.179	0.57	30.0
220	-1.337	-1.343	34.522	27.778	32.532	37.178	-0.49	30.1
230	-1.370	-1.376	34.523	27.780	32.535	37.182	0.82	29.8
240	-1.476	-1.482	34.525	27.785	32.543	37.194	1.35	29.2
250	-1.474	-1.480	34.525	27.785	32.543	37.194	-0.15	29.2
260	-1.467	-1.473	34.530	27.789	32.547	37.197	1.09	28.8
270	-1.451	-1.458	34.532	27.790	32.547	37.197	0.55	28.6
280	-1.436	-1.443	34.534	27.792	32.548	37.197	0.56	28.5
290	-1.425	-1.432	34.537	27.794	32.550	37.199	0.79	28.3
300	-1.422	-1.430	34.537	27.794	32.549	37.198	-0.19	28.2
325	-1.424	-1.432	34.540	27.796	32.552	37.201	0.56	27.9
350	-1.395	-1.404	34.543	27.798	32.553	37.201	0.39	27.7
375	-1.408	-1.418	34.543	27.798	32.554	37.202	0.28	27.5
400	-1.483	-1.493	34.549	27.805	32.563	37.214	1.01	26.6
425	-1.504	-1.515	34.548	27.805	32.564	37.215	0.14	26.5
450	-1.486	-1.498	34.557	27.812	32.570	37.221	0.90	25.7
475	-1.458	-1.471	34.564	27.817	32.574	37.224	0.74	25.2
500	-1.305	-1.319	34.583	27.827	32.579	37.224	1.00	24.4
550	-1.202	-1.218	34.584	27.824	32.573	37.215	-0.52	24.6

# HELO 37

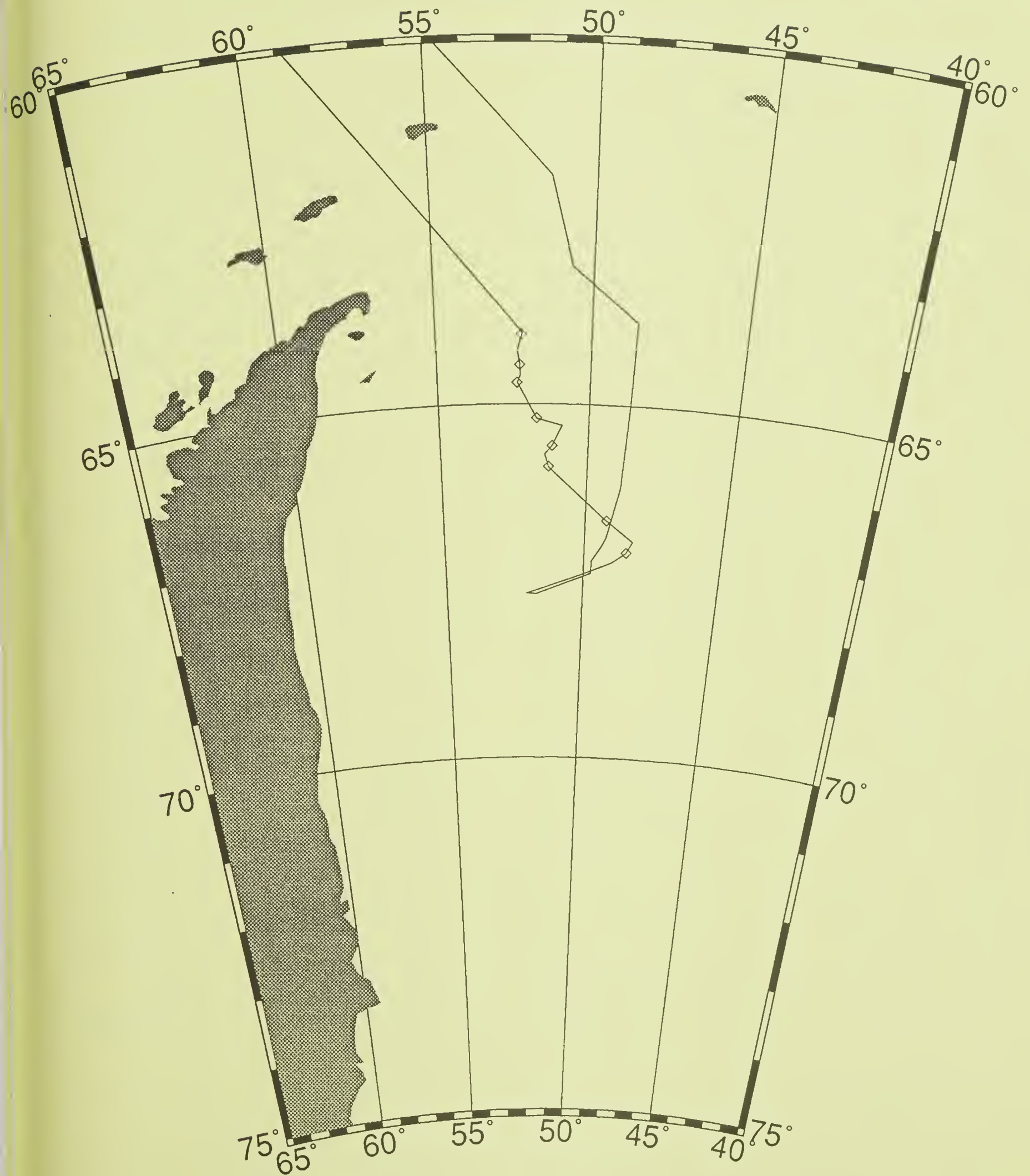


### potential temperature





# N.B. Palmer Rotation









NBP92	-67.0775	-48.4647	92/05/05	126	03:32	NBP921	STA#	1
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.881	-1.881	33.698	27.124	31.902	36.572	0.00	93.0
10	-1.885	-1.885	34.066	27.424	32.198	36.865	9.68	64.6
20	-1.891	-1.891	34.072	27.429	32.203	36.871	1.26	64.0
30	-1.898	-1.899	34.066	27.424	32.199	36.866	-1.21	64.4
40	-1.904	-1.905	34.060	27.419	32.195	36.862	-1.22	64.8
50	-1.911	-1.912	34.052	27.413	32.188	36.856	-1.41	65.3
60	-1.563	-1.564	34.408	27.693	32.454	37.108	9.35	38.8
70	-1.440	-1.442	34.456	27.728	32.485	37.135	3.30	35.5
80	-1.271	-1.273	34.484	27.745	32.497	37.141	2.28	33.8
90	-1.141	-1.143	34.500	27.754	32.501	37.141	1.58	33.0
100	-0.927	-0.930	34.524	27.765	32.505	37.139	1.83	32.0
110	-0.614	-0.617	34.549	27.772	32.503	37.127	1.38	31.4
120	-0.264	-0.268	34.593	27.791	32.511	37.125	2.38	29.7
130	-0.082	-0.087	34.611	27.797	32.511	37.119	1.21	29.2
140	0.080	0.075	34.629	27.803	32.512	37.115	1.29	28.7
150	0.160	0.154	34.639	27.807	32.513	37.114	1.03	28.4
160	0.230	0.224	34.645	27.808	32.512	37.111	0.45	28.3
170	0.257	0.250	34.648	27.808	32.512	37.110	0.50	28.3
180	0.256	0.249	34.649	27.809	32.513	37.111	0.53	28.2
190	0.277	0.270	34.651	27.810	32.513	37.111	0.32	28.1
200	0.256	0.248	34.651	27.811	32.515	37.113	0.64	28.0
210	0.250	0.242	34.649	27.810	32.514	37.112	-0.62	28.1
220	0.266	0.257	34.652	27.811	32.515	37.113	0.67	28.0
230	0.282	0.273	34.651	27.810	32.513	37.110	-0.75	28.2
240	0.281	0.271	34.652	27.810	32.514	37.111	0.53	28.1
250	0.309	0.299	34.654	27.811	32.513	37.110	-0.22	28.1
260	0.327	0.317	34.658	27.813	32.515	37.111	0.81	27.9
270	0.336	0.325	34.659	27.813	32.515	37.111	0.28	27.9
280	0.336	0.325	34.659	27.813	32.515	37.111	0.09	27.9
290	0.336	0.324	34.658	27.812	32.514	37.110	-0.49	28.0
300	0.336	0.324	34.659	27.813	32.515	37.111	0.51	27.9
325	0.360	0.347	34.662	27.814	32.515	37.110	0.33	27.9
350	0.338	0.324	34.660	27.814	32.516	37.111	-0.08	27.9
375	0.326	0.311	34.661	27.816	32.518	37.114	0.46	27.7
400	0.357	0.340	34.663	27.815	32.517	37.112	-0.24	27.8
425	0.470	0.452	34.673	27.817	32.515	37.107	0.14	27.8
450	0.447	0.428	34.672	27.818	32.516	37.109	0.34	27.7
475	0.420	0.400	34.671	27.818	32.518	37.111	0.39	27.7
500	0.520	0.498	34.680	27.820	32.516	37.107	-0.03	27.7
550	0.464	0.440	34.677	27.821	32.519	37.111	0.35	27.6
600	0.484	0.457	34.679	27.821	32.519	37.111	0.13	27.6
650	0.504	0.475	34.684	27.824	32.521	37.113	0.41	27.4
700	0.496	0.464	34.685	27.826	32.523	37.115	0.32	27.3
750	0.474	0.440	34.683	27.826	32.524	37.116	0.15	27.3
800	0.443	0.406	34.682	27.827	32.526	37.119	0.35	27.2
850	0.411	0.372	34.682	27.829	32.529	37.123	0.42	27.0
900	0.389	0.347	34.680	27.829	32.530	37.125	0.17	27.0
950	0.364	0.320	34.680	27.830	32.532	37.128	0.38	26.8
1000	0.338	0.291	34.678	27.830	32.533	37.129	0.23	26.8
1100	0.299	0.247	34.677	27.832	32.536	37.134	0.31	26.6
1200	0.255	0.197	34.676	27.834	32.539	37.139	0.34	26.3
1300	0.210	0.147	34.674	27.835	32.542	37.143	0.31	26.1
1400	0.165	0.096	34.672	27.836	32.545	37.147	0.31	25.8
1500	0.119	0.045	34.671	27.838	32.548	37.152	0.36	25.5
1600	0.080	-0.000	34.668	27.838	32.549	37.155	0.25	25.3
1700	0.043	-0.043	34.667	27.840	32.552	37.159	0.33	25.0
1800	0.006	-0.086	34.665	27.840	32.554	37.162	0.30	24.8
1900	-0.031	-0.129	34.663	27.841	32.556	37.165	0.31	24.5
2000	-0.057	-0.162	34.663	27.843	32.559	37.169	0.33	24.2
2100	-0.091	-0.202	34.663	27.845	32.562	37.173	0.37	23.8
2200	-0.116	-0.234	34.661	27.845	32.563	37.175	0.25	23.6
2300	-0.142	-0.267	34.660	27.845	32.565	37.178	0.31	23.3
2400	-0.162	-0.294	34.658	27.845	32.565	37.179	0.22	23.2
2500	-0.181	-0.320	34.657	27.846	32.566	37.181	0.27	23.0
2600	-0.199	-0.345	34.657	27.847	32.568	37.184	0.31	22.7
2700	-0.215	-0.369	34.656	27.847	32.569	37.186	0.26	22.5
2800	-0.226	-0.388	34.656	27.848	32.571	37.188	0.27	22.2
2900	-0.239	-0.409	34.655	27.848	32.572	37.189	0.25	22.1
3000	-0.247	-0.425	34.655	27.849	32.573	37.191	0.26	21.9
3200	-0.259	-0.454	34.654	27.850	32.574	37.193	0.22	21.6
3400	-0.275	-0.487	34.653	27.850	32.576	37.196	0.25	21.2
3600	-0.287	-0.517	34.654	27.852	32.579	37.200	0.28	20.8
3800	-0.349	-0.596	34.649	27.852	32.581	37.204	0.36	20.1
3840	-0.585	-0.829	34.628	27.845	32.582	37.211	1.24	18.3

NBP921 1



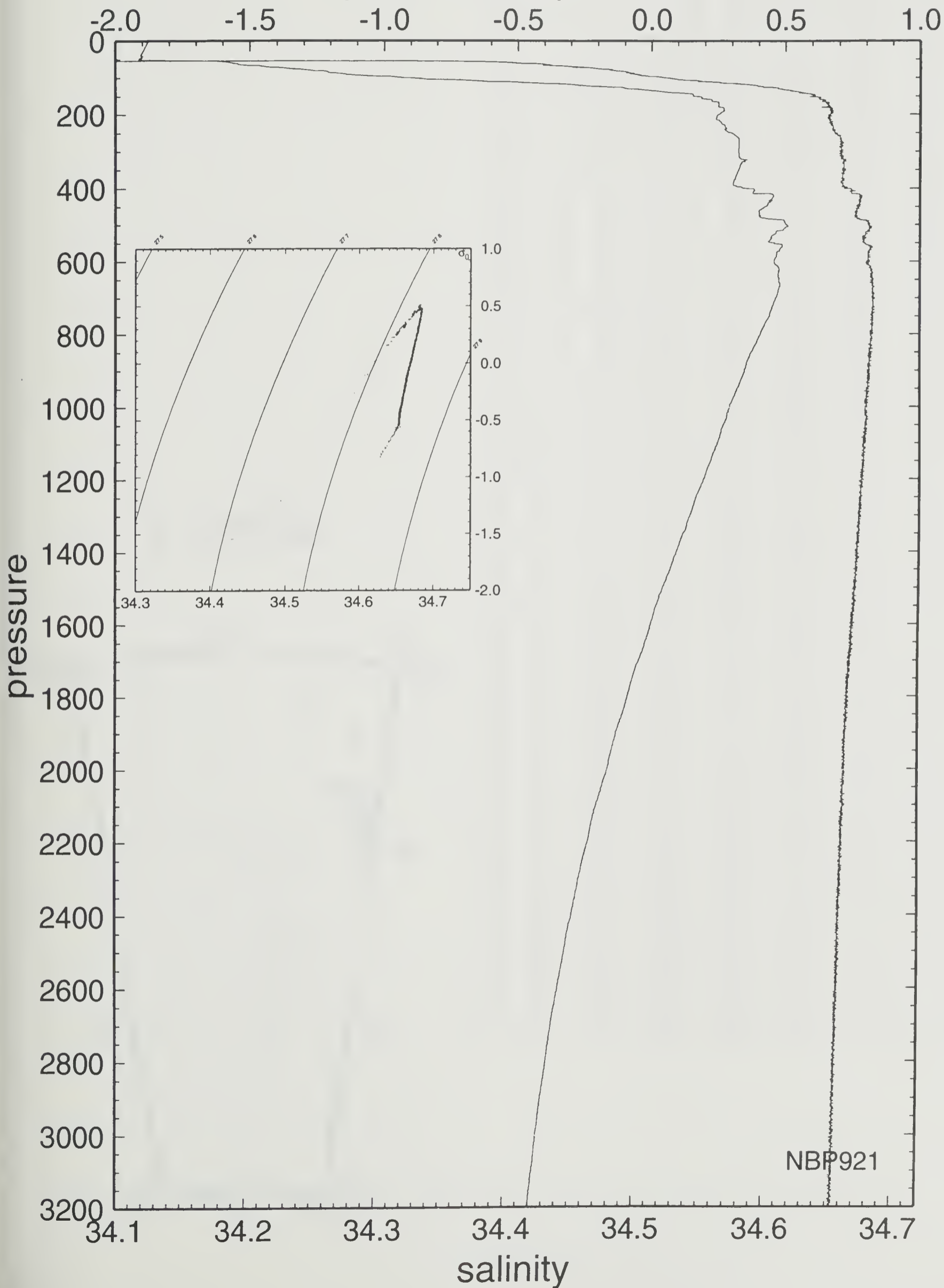
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92/05/05 03:32

67 4.65 S 48 27.88 W

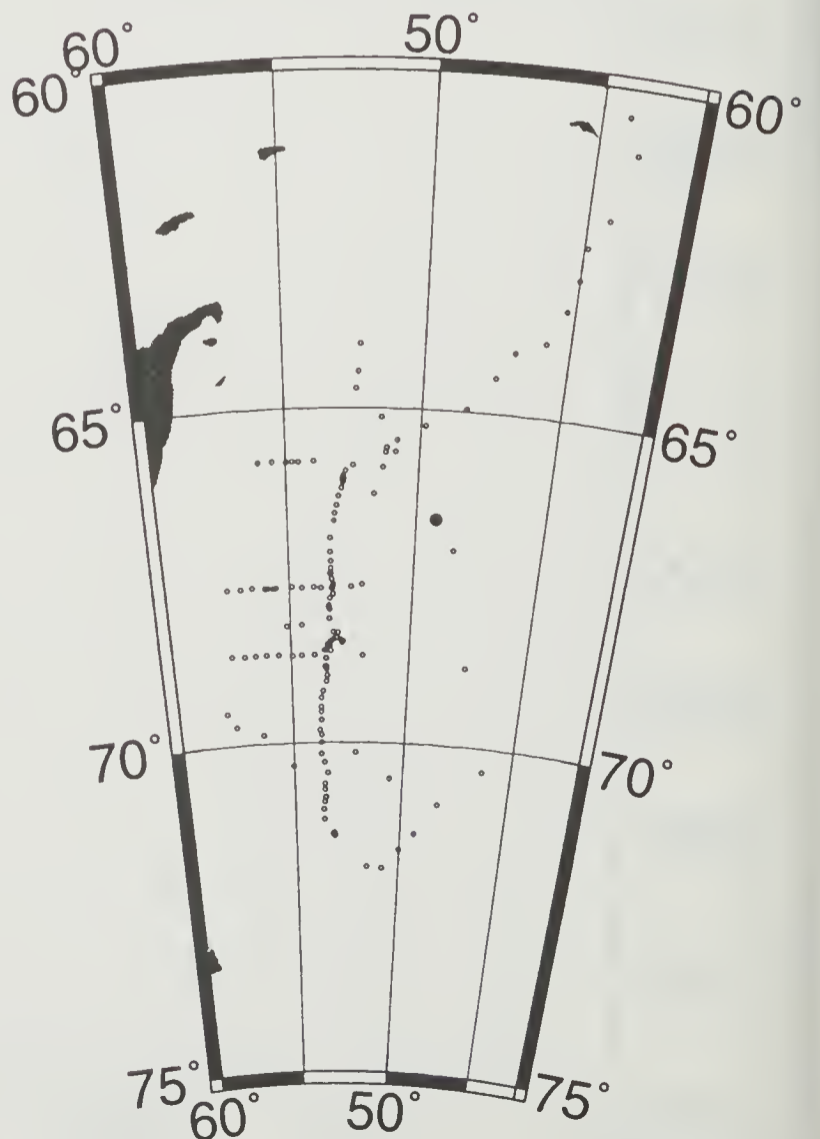
NBP

# potential temperature



NBP92	-66.6289	-49.2381	92/05/06	127	02:44	NBP921	STA#	2
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.934	-1.934	34.198	27.532	32.307	36.975	0.00	54.3
10	-1.864	-1.864	34.200	27.532	32.305	36.970	-0.19	54.3
20	-1.867	-1.867	34.201	27.533	32.306	36.971	0.53	54.1
30	-1.867	-1.868	34.202	27.534	32.307	36.972	0.51	54.0
40	-1.865	-1.866	34.201	27.533	32.306	36.971	-0.52	54.0
50	-1.700	-1.701	34.375	27.670	32.436	37.095	6.54	41.0
60	-1.655	-1.656	34.428	27.712	32.476	37.133	3.61	37.0
70	-1.653	-1.654	34.443	27.724	32.488	37.144	1.95	35.8
80	-1.606	-1.608	34.460	27.737	32.499	37.154	1.96	34.6
90	-1.146	-1.148	34.478	27.736	32.484	37.124	-0.77	34.7
100	-0.952	-0.955	34.507	27.752	32.494	37.128	2.21	33.2
110	-0.731	-0.734	34.531	27.763	32.497	37.125	1.74	32.3
120	-0.573	-0.577	34.551	27.772	32.501	37.124	1.65	31.4
130	-0.297	-0.301	34.581	27.783	32.504	37.119	1.80	30.4
140	-0.145	-0.150	34.599	27.790	32.507	37.117	1.41	29.8
150	-0.053	-0.058	34.611	27.795	32.509	37.116	1.20	29.4
160	0.025	0.019	34.620	27.798	32.509	37.114	0.94	29.1
170	0.134	0.128	34.633	27.803	32.511	37.113	1.13	28.7
180	0.216	0.209	34.643	27.807	32.512	37.111	0.99	28.4
190	0.248	0.241	34.647	27.808	32.512	37.111	0.63	28.3
200	0.275	0.267	34.648	27.807	32.511	37.108	-0.51	28.4
210	0.304	0.296	34.653	27.810	32.512	37.109	0.84	28.2
220	0.327	0.318	34.655	27.810	32.512	37.108	0.24	28.1
230	0.337	0.328	34.658	27.812	32.514	37.109	0.75	28.0
240	0.339	0.329	34.657	27.811	32.513	37.108	-0.53	28.1
250	0.342	0.332	34.659	27.813	32.514	37.110	0.67	27.9
260	0.345	0.334	34.658	27.812	32.513	37.109	-0.55	28.0
270	0.343	0.332	34.660	27.813	32.515	37.110	0.74	27.9
280	0.339	0.328	34.660	27.814	32.515	37.111	0.30	27.9
290	0.336	0.324	34.658	27.812	32.514	37.110	-0.66	28.0
300	0.333	0.321	34.660	27.814	32.516	37.112	0.76	27.8
325	0.337	0.324	34.661	27.815	32.516	37.112	0.28	27.8
350	0.390	0.375	34.667	27.817	32.517	37.111	0.41	27.7
375	0.389	0.373	34.666	27.816	32.516	37.110	-0.29	27.8
400	0.386	0.369	34.668	27.818	32.518	37.113	0.49	27.6
425	0.447	0.429	34.675	27.820	32.518	37.111	0.42	27.5
450	0.442	0.423	34.675	27.820	32.519	37.112	0.23	27.5
475	0.464	0.443	34.676	27.820	32.518	37.110	-0.30	27.6
500	0.463	0.441	34.678	27.822	32.520	37.112	0.47	27.4
550	0.482	0.458	34.680	27.822	32.520	37.112	0.15	27.5
600	0.480	0.453	34.682	27.824	32.522	37.114	0.35	27.3
650	0.455	0.426	34.682	27.826	32.524	37.117	0.36	27.2
700	0.438	0.406	34.682	27.827	32.526	37.119	0.31	27.1
750	0.421	0.387	34.682	27.828	32.528	37.121	0.31	27.0
800	0.397	0.360	34.680	27.828	32.528	37.123	0.18	27.0
850	0.374	0.335	34.680	27.829	32.531	37.126	0.36	26.8
900	0.348	0.306	34.679	27.830	32.532	37.128	0.31	26.7
950	0.327	0.283	34.678	27.831	32.533	37.130	0.27	26.7
1000	0.303	0.256	34.677	27.831	32.535	37.133	0.30	26.6
1100	0.261	0.209	34.675	27.833	32.537	37.136	0.28	26.4
1200	0.219	0.162	34.674	27.834	32.541	37.141	0.33	26.1
1300	0.176	0.113	34.672	27.835	32.543	37.145	0.30	25.9
1400	0.128	0.060	34.670	27.837	32.546	37.149	0.33	25.7
1500	0.086	0.012	34.669	27.838	32.549	37.154	0.34	25.3
1600	0.045	-0.035	34.666	27.838	32.551	37.157	0.26	25.2
1700	0.011	-0.075	34.665	27.840	32.553	37.161	0.32	24.9
1800	-0.020	-0.112	34.664	27.841	32.555	37.164	0.31	24.6
1900	-0.051	-0.149	34.663	27.842	32.558	37.167	0.31	24.3
2000	-0.082	-0.186	34.661	27.842	32.559	37.170	0.28	24.1
2100	-0.112	-0.223	34.660	27.843	32.561	37.173	0.32	23.8
2200	-0.139	-0.257	34.659	27.844	32.563	37.176	0.31	23.5
2300	-0.159	-0.284	34.658	27.845	32.564	37.178	0.27	23.3
2400	-0.178	-0.310	34.658	27.846	32.566	37.181	0.31	23.0
2500	-0.196	-0.335	34.657	27.846	32.568	37.183	0.26	22.8
2600	-0.213	-0.359	34.655	27.846	32.568	37.184	0.21	22.6
2700	-0.227	-0.381	34.656	27.848	32.570	37.187	0.33	22.3
2800	-0.239	-0.400	34.656	27.849	32.572	37.189	0.28	22.1
2900	-0.247	-0.416	34.655	27.849	32.572	37.190	0.20	22.0
3000	-0.254	-0.432	34.654	27.849	32.573	37.191	0.20	21.8
3200	-0.269	-0.463	34.655	27.851	32.576	37.195	0.28	21.4
3400	-0.283	-0.495	34.653	27.851	32.577	37.197	0.21	21.1
3600	-0.324	-0.553	34.651	27.852	32.580	37.201	0.33	20.5
3675	-0.573	-0.802	34.630	27.846	32.581	37.210	0.93	18.6

## NBP921 2



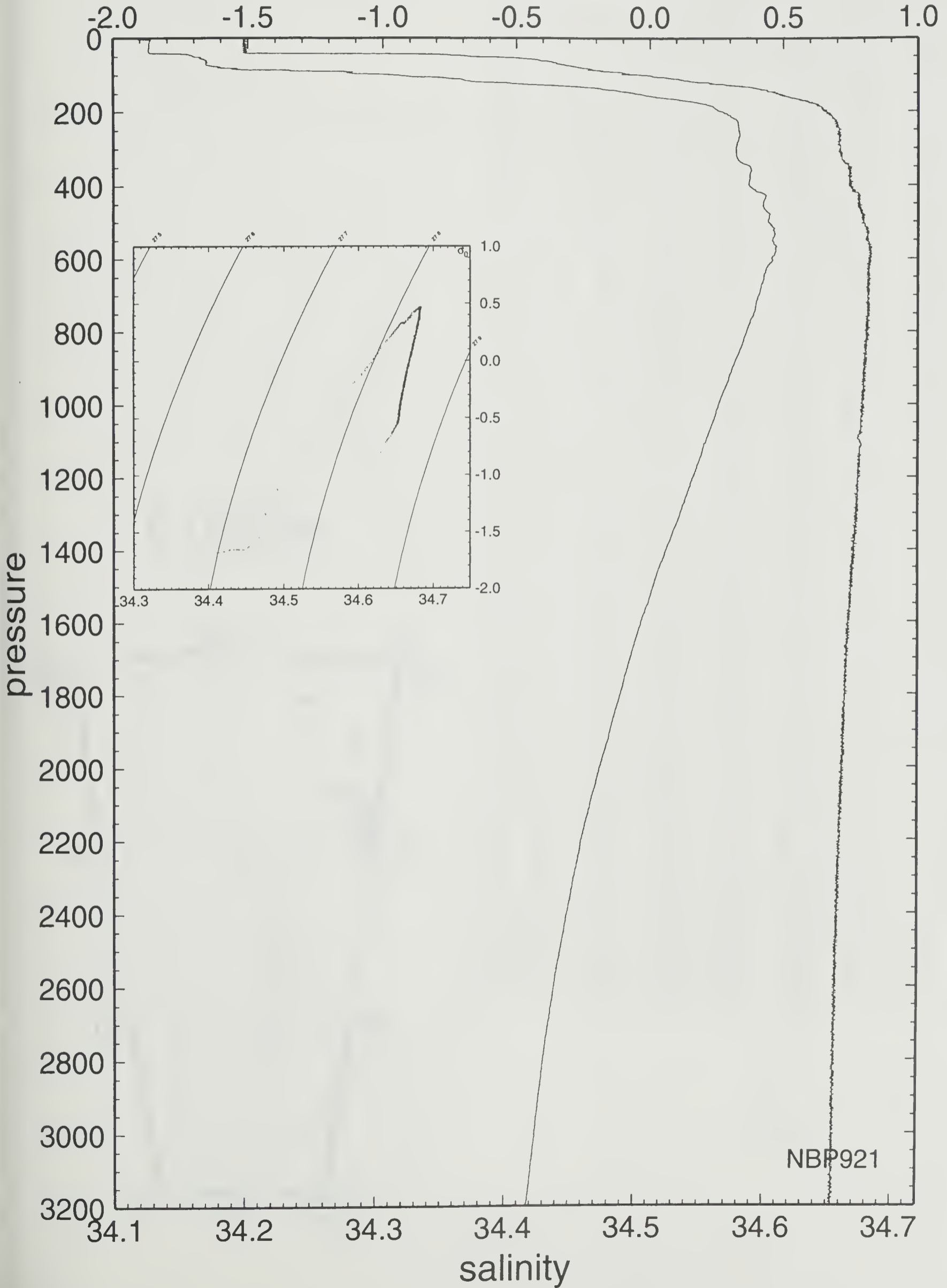
2

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66 37.73 S 49 14.29 W

NBP

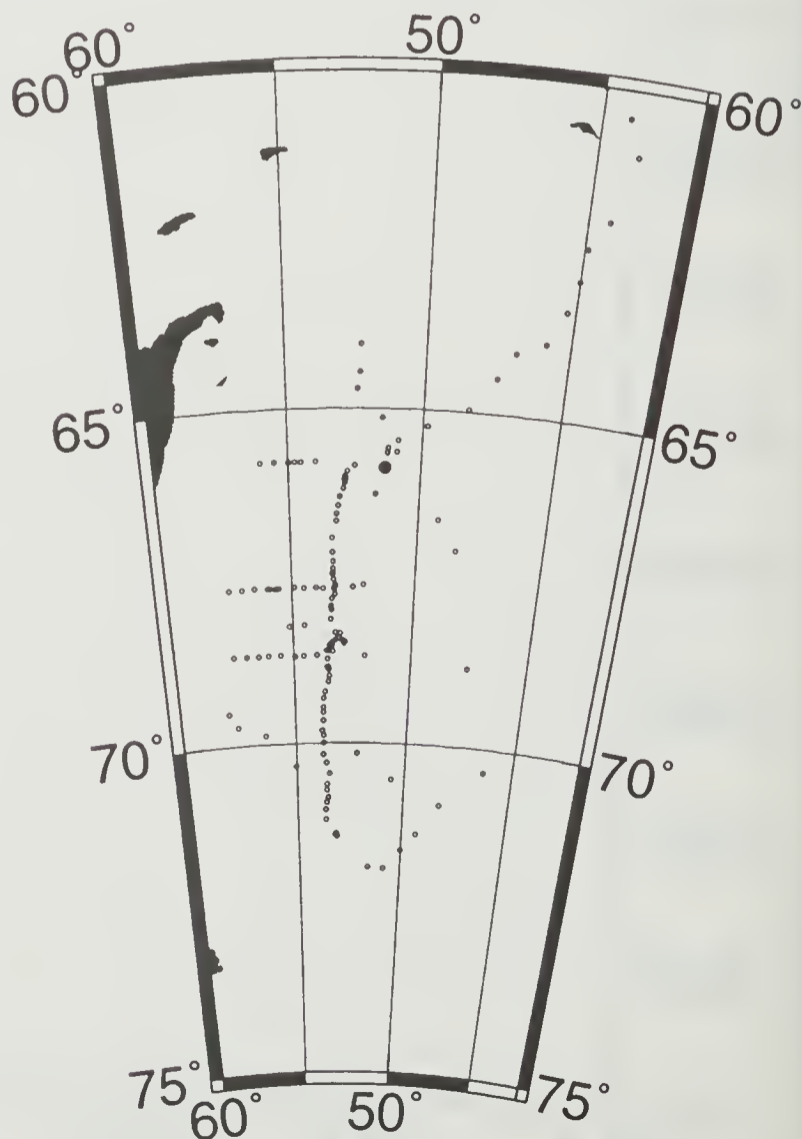
# potential temperature



NBP921

NBP92	-65.8762	-51.3432	92/05/07	128	12:46	NBP921	STA#	3
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.871	-1.871	34.372	27.672	32.444	37.108	0.00	41.1
10	-1.878	-1.878	34.381	27.680	32.451	37.115	1.53	40.3
20	-1.878	-1.878	34.381	27.680	32.451	37.115	0.04	40.2
30	-1.876	-1.877	34.379	27.678	32.450	37.114	-0.72	40.3
40	-1.876	-1.877	34.379	27.678	32.450	37.114	0.04	40.3
50	-1.875	-1.876	34.379	27.678	32.450	37.114	-0.08	40.2
60	-1.829	-1.830	34.407	27.700	32.469	37.132	2.59	38.1
70	-1.827	-1.828	34.408	27.700	32.470	37.132	0.49	38.0
80	-1.825	-1.827	34.410	27.702	32.472	37.134	0.70	37.8
90	-1.824	-1.826	34.413	27.704	32.474	37.136	0.87	37.5
100	-1.806	-1.808	34.420	27.710	32.479	37.140	1.27	36.9
110	-1.775	-1.777	34.435	27.721	32.489	37.149	1.88	35.8
120	-1.718	-1.721	34.443	27.726	32.492	37.151	1.21	35.3
130	-1.714	-1.717	34.448	27.730	32.496	37.154	1.11	34.9
140	-1.671	-1.674	34.453	27.733	32.497	37.154	0.91	34.6
150	-1.629	-1.632	34.455	27.733	32.496	37.152	0.26	34.5
160	-1.500	-1.504	34.467	27.739	32.498	37.150	1.27	34.0
170	-1.327	-1.331	34.480	27.744	32.497	37.144	1.12	33.5
180	-1.298	-1.303	34.486	27.748	32.500	37.146	1.08	33.2
190	-1.182	-1.187	34.495	27.751	32.500	37.142	0.89	32.9
200	-1.102	-1.107	34.501	27.753	32.499	37.139	0.68	32.7
210	-1.009	-1.015	34.508	27.755	32.499	37.135	0.70	32.5
220	-0.805	-0.812	34.524	27.760	32.497	37.127	1.04	32.1
230	-0.669	-0.676	34.537	27.765	32.498	37.124	1.09	31.8
240	-0.509	-0.517	34.552	27.770	32.498	37.119	1.10	31.4
250	-0.326	-0.335	34.570	27.776	32.498	37.114	1.20	30.9
260	-0.354	-0.363	34.573	27.780	32.503	37.119	1.12	30.5
270	-0.306	-0.315	34.577	27.781	32.502	37.117	0.42	30.5
280	-0.225	-0.235	34.586	27.784	32.503	37.116	0.91	30.2
290	-0.177	-0.187	34.591	27.786	32.503	37.114	0.63	30.1
300	-0.173	-0.184	34.592	27.786	32.504	37.115	0.43	30.0
325	-0.108	-0.120	34.598	27.788	32.503	37.113	0.35	29.9
350	0.013	-0.000	34.612	27.793	32.505	37.110	0.69	29.5
375	0.134	0.119	34.623	27.796	32.504	37.106	0.38	29.4
400	0.289	0.273	34.638	27.799	32.502	37.100	0.47	29.3
425	0.314	0.296	34.644	27.803	32.505	37.102	0.63	29.0
450	0.350	0.331	34.647	27.803	32.505	37.100	-0.06	29.0
475	0.409	0.389	34.656	27.807	32.507	37.101	0.62	28.7
500	0.437	0.415	34.659	27.808	32.507	37.100	0.24	28.7
550	0.412	0.388	34.659	27.809	32.509	37.103	0.35	28.5
600	0.429	0.402	34.662	27.811	32.510	37.104	0.29	28.5
650	0.465	0.436	34.667	27.813	32.511	37.104	0.30	28.4
700	0.494	0.462	34.671	27.815	32.512	37.104	0.27	28.3
750	0.510	0.475	34.674	27.816	32.513	37.105	0.29	28.3
800	0.503	0.466	34.678	27.820	32.517	37.109	0.50	28.0
850	0.482	0.442	34.678	27.822	32.520	37.112	0.35	27.8
900	0.459	0.417	34.678	27.823	32.522	37.115	0.37	27.7
950	0.440	0.395	34.679	27.825	32.525	37.118	0.41	27.5
1000	0.409	0.361	34.677	27.825	32.526	37.121	0.29	27.4
1100	0.375	0.322	34.676	27.827	32.528	37.124	0.29	27.3
1200	0.325	0.267	34.674	27.828	32.532	37.129	0.33	27.0
1300	0.292	0.228	34.674	27.831	32.535	37.134	0.33	26.8
1400	0.246	0.176	34.670	27.830	32.536	37.136	0.23	26.7
1500	0.210	0.135	34.670	27.833	32.540	37.141	0.36	26.4
1600	0.180	0.099	34.669	27.834	32.542	37.144	0.30	26.2
1700	0.132	0.045	34.667	27.835	32.545	37.149	0.35	25.9
1800	0.115	0.021	34.666	27.836	32.546	37.151	0.23	25.8
1900	0.059	-0.041	34.664	27.837	32.550	37.156	0.40	25.3
2000	0.031	-0.075	34.662	27.837	32.551	37.158	0.26	25.2
2100	0.000	-0.113	34.659	27.837	32.551	37.160	0.24	25.0
2200	-0.023	-0.143	34.660	27.839	32.555	37.164	0.36	24.7
2300	-0.065	-0.191	34.658	27.840	32.557	37.168	0.36	24.3
2400	-0.135	-0.267	34.654	27.841	32.560	37.173	0.43	23.8
2500	-0.327	-0.463	34.642	27.840	32.566	37.185	0.66	22.4
2600	-0.506	-0.646	34.631	27.840	32.571	37.195	0.65	21.1
2700	-0.606	-0.752	34.627	27.841	32.575	37.203	0.55	20.1
2800	-0.772	-0.922	34.618	27.841	32.580	37.213	0.66	18.7
2900	-0.974	-1.127	34.613	27.845	32.590	37.229	0.82	16.6
3000	-1.115	-1.273	34.612	27.849	32.599	37.243	0.73	14.7
3035	-1.194	-1.353	34.614	27.853	32.606	37.252	1.01	13.6

# NBP921 3



3

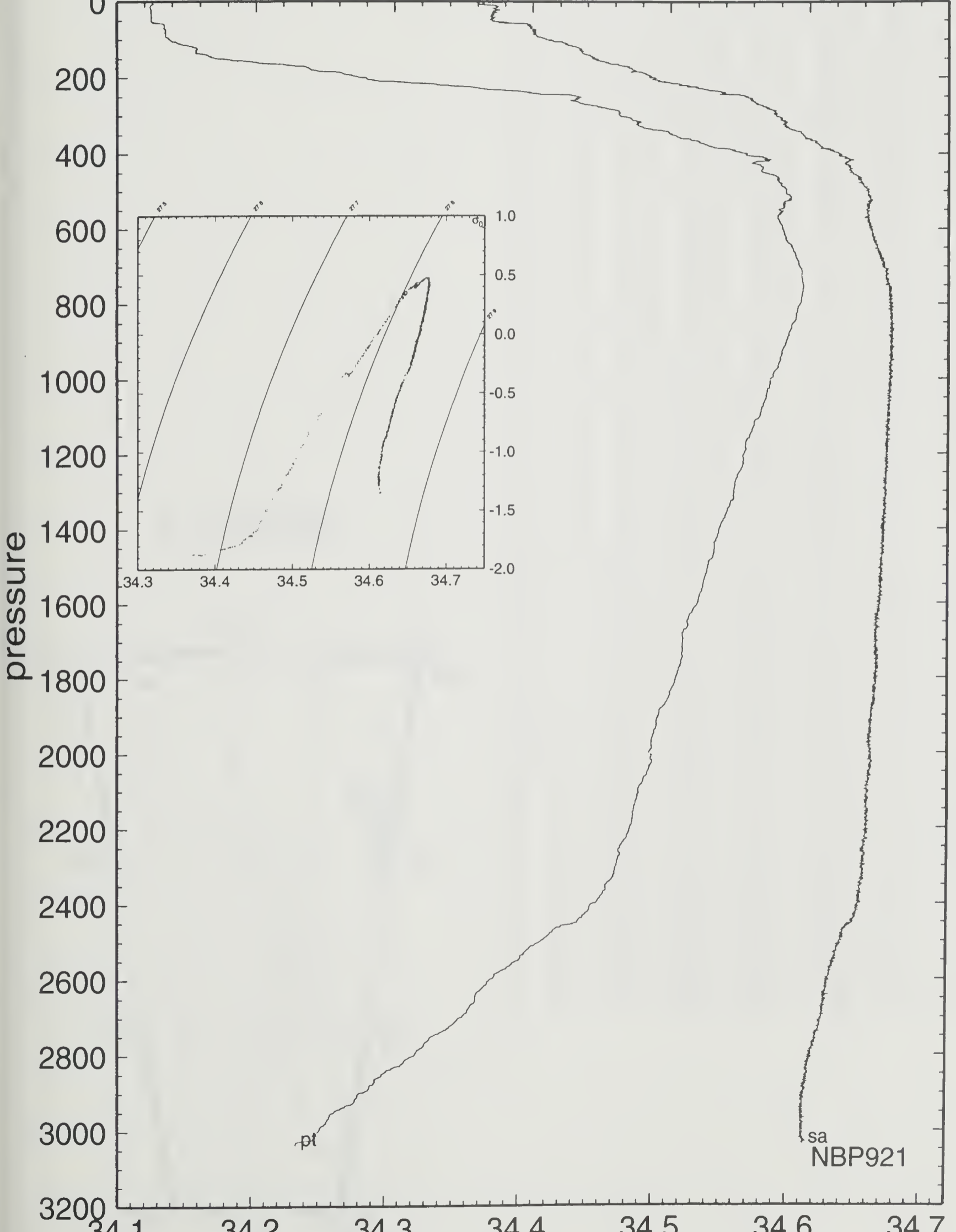
92/05/07 12:46

65 52.57 S 51 20.59 W

NBP

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



sa  
NBP921

salinity





4

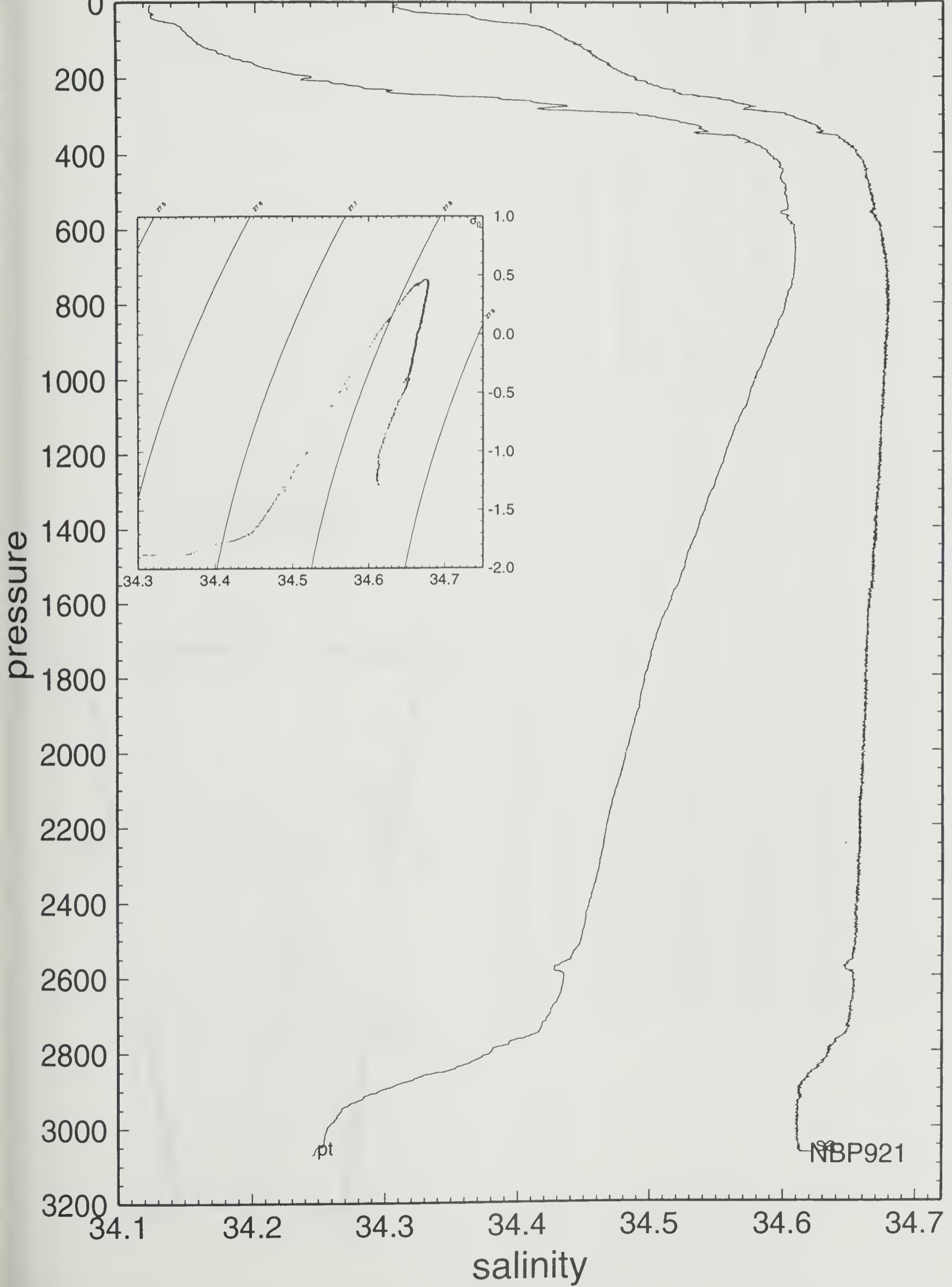
92/05/07 11:48

65 35.14 S 51 13.35 W

NBP

# potential temperature

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pressure

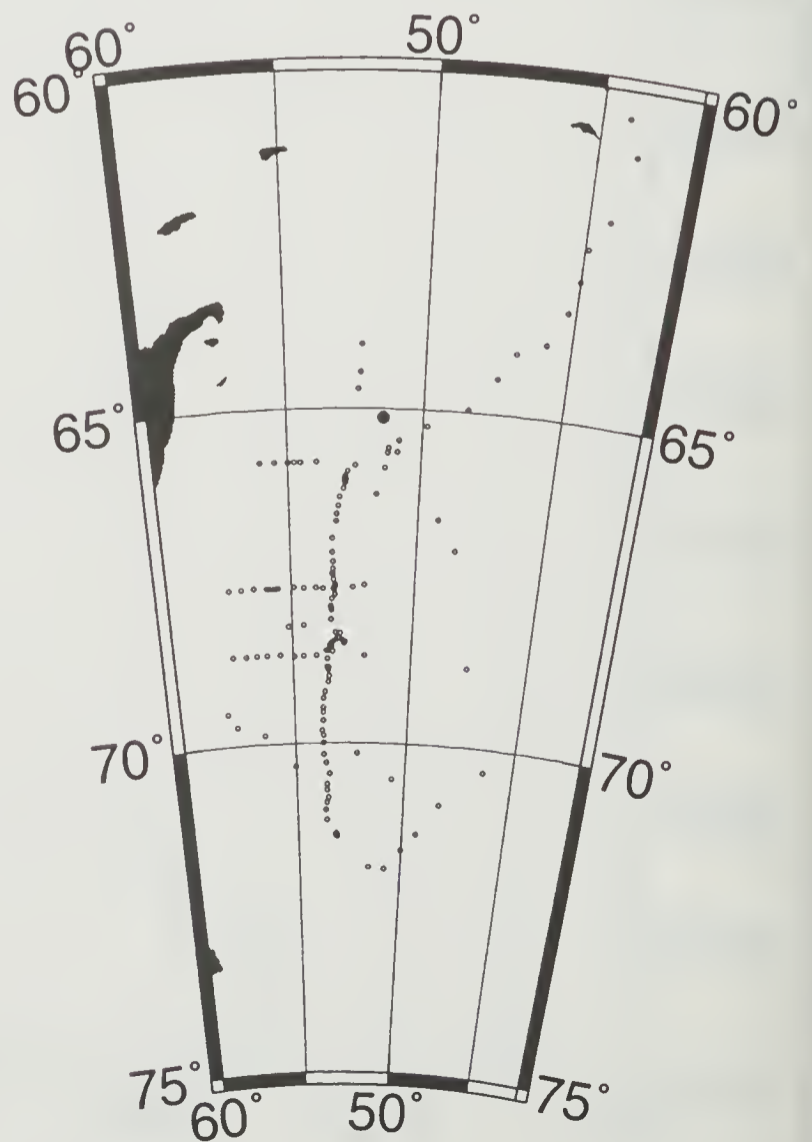
salinity

pt

NBP921

NBP92	-65.1265	-51.4535	92/05/09	130	12:29	NBP921	STA#	5
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.878	-1.878	34.342	27.648	32.420	37.084	0.00	43.4
10	-1.875	-1.875	34.340	27.646	32.418	37.082	-0.73	43.5
20	-1.872	-1.872	34.376	27.676	32.447	37.111	3.02	40.6
30	-1.860	-1.861	34.395	27.691	32.462	37.125	2.18	39.1
40	-1.847	-1.848	34.402	27.696	32.466	37.129	1.29	38.6
50	-1.841	-1.842	34.401	27.695	32.465	37.128	-0.55	38.6
60	-1.823	-1.824	34.404	27.697	32.467	37.129	0.78	38.4
70	-1.802	-1.803	34.411	27.702	32.471	37.133	1.26	37.8
80	-1.770	-1.772	34.418	27.707	32.475	37.135	1.22	37.3
90	-1.755	-1.757	34.426	27.713	32.480	37.140	1.38	36.7
100	-1.737	-1.739	34.429	27.715	32.482	37.141	0.77	36.5
110	-1.737	-1.739	34.433	27.718	32.485	37.144	1.01	36.1
120	-1.737	-1.740	34.437	27.722	32.488	37.147	1.01	35.7
130	-1.714	-1.717	34.438	27.722	32.488	37.146	0.16	35.7
140	-1.646	-1.649	34.445	27.726	32.489	37.146	1.04	35.3
150	-1.569	-1.572	34.455	27.731	32.493	37.146	1.31	34.7
160	-1.585	-1.589	34.463	27.738	32.500	37.154	1.49	34.0
170	-1.581	-1.585	34.465	27.740	32.501	37.156	0.68	33.8
180	-1.376	-1.380	34.474	27.741	32.496	37.144	-0.31	33.8
190	-1.278	-1.283	34.486	27.747	32.499	37.144	1.35	33.2
200	-1.286	-1.291	34.491	27.752	32.504	37.149	1.17	32.7
210	-1.100	-1.106	34.504	27.755	32.502	37.141	0.92	32.4
220	-1.013	-1.019	34.513	27.759	32.503	37.139	1.04	32.1
230	-0.887	-0.894	34.525	27.764	32.504	37.136	1.10	31.7
240	-0.825	-0.832	34.529	27.765	32.503	37.133	0.30	31.6
250	-0.712	-0.720	34.539	27.768	32.502	37.130	0.89	31.4
260	-0.565	-0.573	34.551	27.772	32.501	37.124	0.82	31.1
270	-0.339	-0.348	34.570	27.777	32.499	37.115	0.98	30.8
280	-0.212	-0.222	34.584	27.782	32.500	37.113	1.13	30.4
290	-0.173	-0.184	34.589	27.784	32.501	37.112	0.74	30.2
300	-0.100	-0.111	34.597	27.787	32.502	37.111	0.81	30.0
325	0.058	0.045	34.614	27.792	32.503	37.107	0.71	29.7
350	0.202	0.188	34.629	27.797	32.503	37.103	0.60	29.4
375	0.263	0.248	34.637	27.800	32.504	37.102	0.55	29.2
400	0.297	0.280	34.642	27.802	32.505	37.102	0.47	29.0
425	0.350	0.332	34.648	27.804	32.505	37.101	0.39	28.9
450	0.360	0.341	34.651	27.806	32.507	37.102	0.47	28.7
475	0.426	0.406	34.659	27.808	32.508	37.101	0.47	28.6
500	0.438	0.416	34.661	27.809	32.508	37.101	0.32	28.5
550	0.463	0.439	34.665	27.811	32.510	37.102	0.31	28.5
600	0.479	0.452	34.670	27.815	32.512	37.104	0.43	28.2
650	0.485	0.456	34.672	27.816	32.514	37.106	0.29	28.2
700	0.478	0.446	34.672	27.816	32.514	37.107	0.22	28.1
750	0.478	0.444	34.675	27.819	32.517	37.109	0.40	28.0
800	0.472	0.435	34.676	27.820	32.519	37.111	0.31	27.9
850	0.452	0.412	34.676	27.822	32.521	37.114	0.34	27.8
900	0.432	0.390	34.677	27.824	32.523	37.117	0.41	27.6
950	0.413	0.368	34.675	27.823	32.524	37.118	0.12	27.6
1000	0.389	0.342	34.675	27.825	32.526	37.121	0.38	27.4
1100	0.345	0.292	34.673	27.826	32.529	37.125	0.29	27.3
1200	0.310	0.252	34.672	27.828	32.531	37.129	0.30	27.1
1300	0.267	0.203	34.671	27.830	32.535	37.134	0.34	26.8
1400	0.218	0.149	34.670	27.832	32.539	37.139	0.37	26.5
1500	0.165	0.090	34.665	27.831	32.540	37.142	0.23	26.3
1600	0.126	0.045	34.664	27.833	32.542	37.146	0.34	26.1
1700	0.094	0.007	34.664	27.835	32.546	37.151	0.35	25.7
1800	0.049	-0.044	34.660	27.834	32.547	37.153	0.26	25.6
1900	0.012	-0.087	34.659	27.836	32.549	37.157	0.34	25.2
2000	-0.008	-0.114	34.659	27.837	32.552	37.160	0.30	25.0
2100	-0.026	-0.138	34.658	27.837	32.553	37.162	0.25	24.8
2200	-0.048	-0.167	34.658	27.839	32.555	37.165	0.32	24.5
2300	-0.128	-0.253	34.651	27.837	32.556	37.169	0.37	24.1
2400	-0.161	-0.293	34.651	27.839	32.560	37.173	0.38	23.7
2500	-0.197	-0.336	34.651	27.842	32.563	37.178	0.40	23.2
2600	-0.261	-0.406	34.648	27.842	32.566	37.183	0.44	22.6
2700	-0.338	-0.489	34.648	27.846	32.572	37.192	0.57	21.6
2800	-0.640	-0.793	34.624	27.840	32.576	37.205	0.77	19.8
2900	-0.994	-1.147	34.609	27.842	32.589	37.228	1.00	16.6
3000	-1.070	-1.229	34.614	27.849	32.598	37.240	0.66	15.1
3015	-1.081	-1.241	34.612	27.848	32.597	37.240	-0.11	15.1

NBP921 5



5

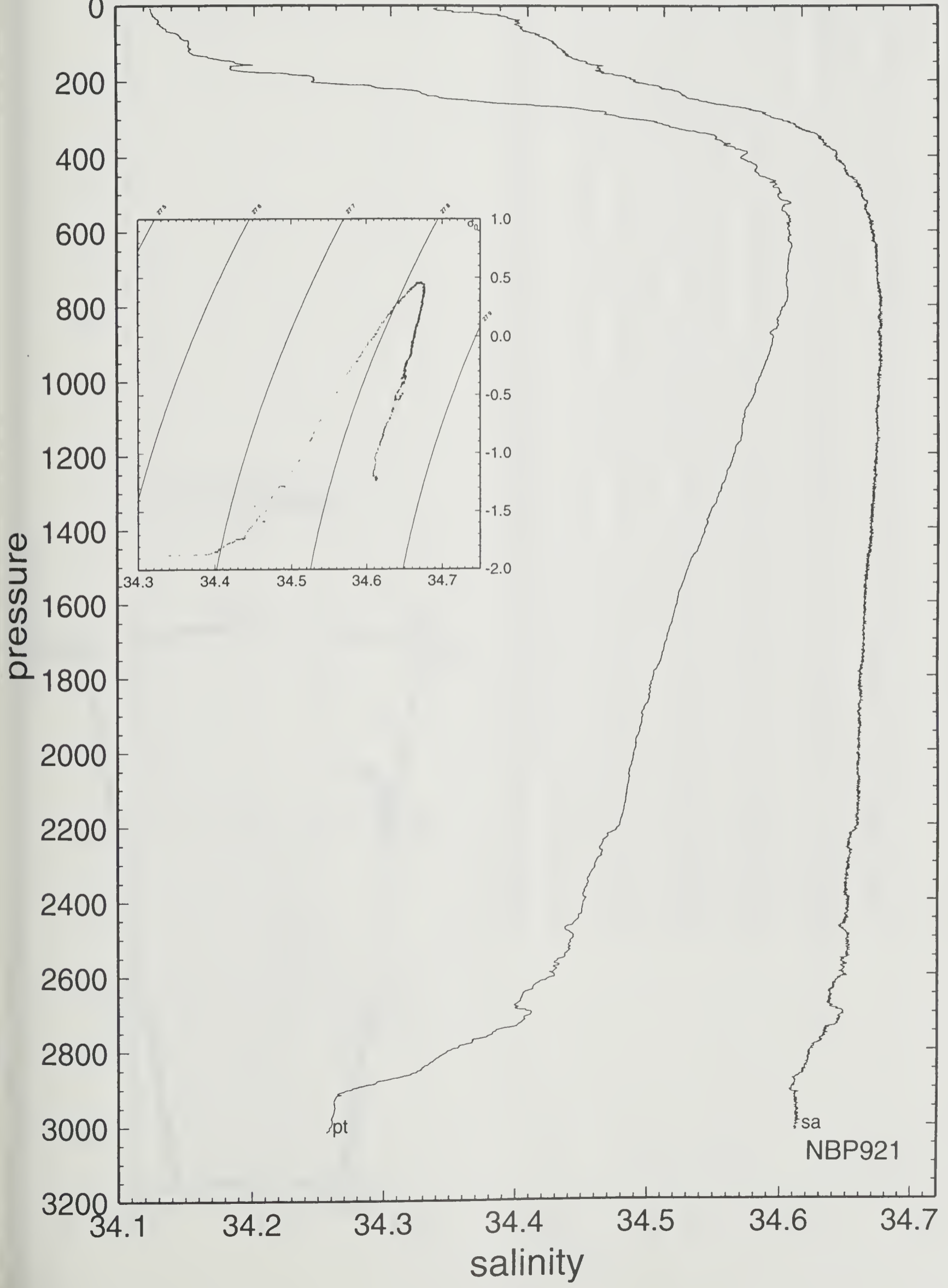
92/05/09 12:29

65 7.59 S 51 27.21 W

NBP

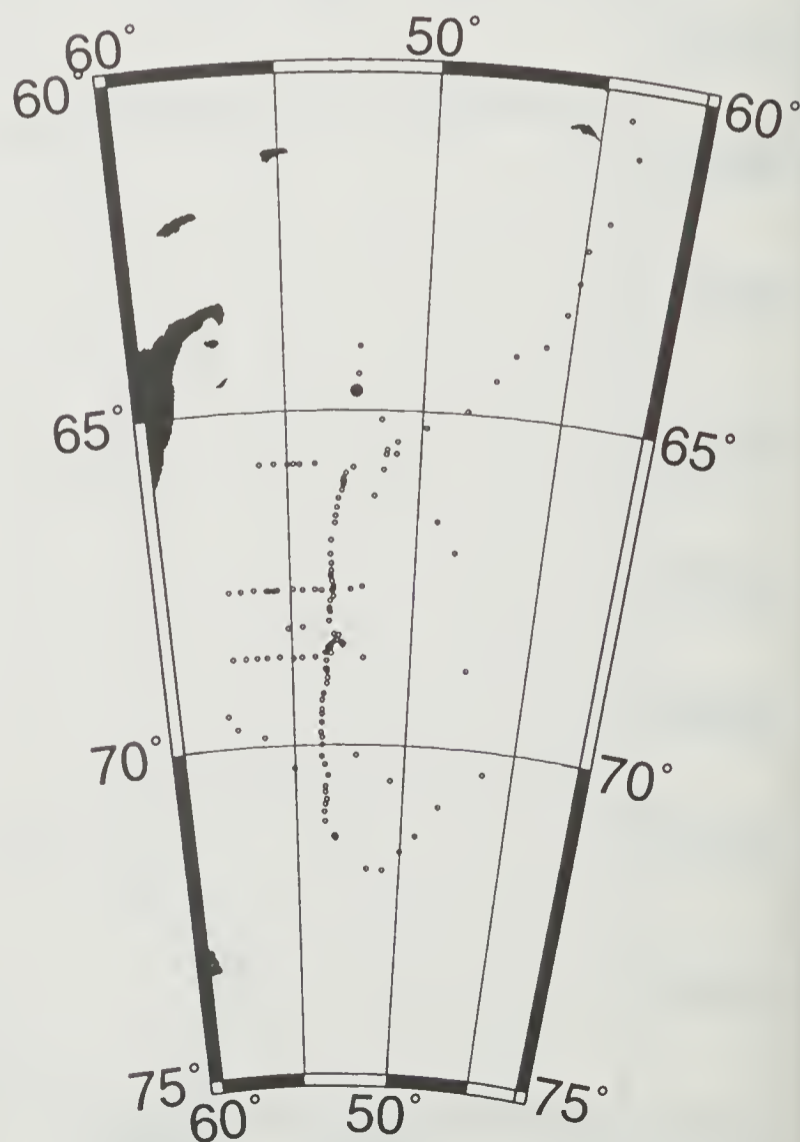
# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



NBP92	-64.7057	-52.4057	92/05/09	130	11:13	NBP921	STA#	6
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.841	-1.841	34.386	27.683	32.453	37.116	0.00	40.1
10	-1.875	-1.875	34.384	27.682	32.454	37.117	-0.48	40.1
20	-1.880	-1.880	34.386	27.684	32.455	37.119	0.74	39.9
30	-1.878	-1.879	34.384	27.682	32.454	37.118	-0.72	39.9
40	-1.874	-1.875	34.385	27.683	32.454	37.118	0.47	39.8
50	-1.873	-1.874	34.385	27.683	32.454	37.118	-0.08	39.8
60	-1.866	-1.867	34.387	27.684	32.455	37.119	0.67	39.6
70	-1.860	-1.861	34.390	27.687	32.458	37.121	0.84	39.3
80	-1.852	-1.854	34.391	27.687	32.458	37.121	0.43	39.2
90	-1.817	-1.819	34.406	27.699	32.468	37.130	1.87	38.0
100	-1.803	-1.805	34.412	27.703	32.472	37.133	1.18	37.6
110	-1.763	-1.765	34.425	27.713	32.480	37.140	1.71	36.6
120	-1.729	-1.732	34.435	27.720	32.486	37.145	1.49	35.9
130	-1.727	-1.730	34.438	27.722	32.488	37.147	0.86	35.6
140	-1.711	-1.714	34.442	27.725	32.491	37.149	0.93	35.3
150	-1.714	-1.717	34.443	27.726	32.492	37.150	0.54	35.2
160	-1.704	-1.707	34.446	27.728	32.494	37.152	0.81	34.9
170	-1.613	-1.617	34.457	27.734	32.497	37.152	1.35	34.3
180	-1.535	-1.539	34.463	27.737	32.497	37.150	0.81	34.1
190	-1.408	-1.413	34.473	27.741	32.497	37.146	1.02	33.7
200	-1.309	-1.314	34.482	27.745	32.498	37.144	1.03	33.3
210	-1.076	-1.082	34.501	27.752	32.498	37.136	1.32	32.8
220	-1.128	-1.134	34.500	27.753	32.500	37.140	0.68	32.6
230	-1.041	-1.047	34.512	27.760	32.504	37.141	1.35	32.0
240	-0.670	-0.678	34.537	27.765	32.498	37.124	0.88	31.7
250	-0.852	-0.859	34.529	27.766	32.504	37.136	0.89	31.5
260	-0.640	-0.648	34.548	27.773	32.504	37.130	1.22	31.0
270	-0.522	-0.531	34.557	27.775	32.503	37.124	0.58	30.9
280	-0.414	-0.424	34.567	27.778	32.503	37.121	0.83	30.6
290	-0.071	-0.082	34.598	27.786	32.500	37.108	1.27	30.1
300	0.018	0.007	34.604	27.786	32.498	37.103	-0.42	30.2
325	0.033	0.021	34.610	27.790	32.501	37.106	0.70	29.8
350	0.273	0.259	34.632	27.795	32.499	37.097	0.53	29.6
375	0.302	0.287	34.638	27.798	32.501	37.098	0.61	29.3
400	0.349	0.332	34.644	27.801	32.502	37.098	0.46	29.2
425	0.380	0.362	34.650	27.804	32.504	37.099	0.59	28.9
450	0.414	0.395	34.653	27.804	32.504	37.098	0.10	29.0
475	0.461	0.440	34.660	27.807	32.505	37.098	0.54	28.8
500	0.461	0.439	34.661	27.808	32.506	37.099	0.33	28.7
550	0.479	0.455	34.667	27.812	32.510	37.102	0.48	28.4
600	0.456	0.429	34.667	27.813	32.512	37.105	0.35	28.3
650	0.452	0.423	34.669	27.815	32.514	37.107	0.36	28.1
700	0.484	0.452	34.673	27.817	32.515	37.107	0.24	28.1
750	0.472	0.438	34.675	27.819	32.518	37.110	0.42	27.9
800	0.460	0.423	34.676	27.821	32.520	37.113	0.35	27.8
850	0.429	0.390	34.675	27.822	32.522	37.116	0.35	27.6
900	0.396	0.354	34.674	27.823	32.524	37.119	0.37	27.5
950	0.369	0.325	34.673	27.824	32.526	37.122	0.33	27.4
1000	0.337	0.290	34.673	27.826	32.529	37.126	0.43	27.1
1100	0.287	0.235	34.671	27.828	32.532	37.130	0.32	26.9
1200	0.238	0.181	34.670	27.830	32.536	37.136	0.36	26.6
1300	0.185	0.122	34.668	27.832	32.539	37.141	0.34	26.3
1400	0.138	0.070	34.665	27.832	32.541	37.144	0.28	26.1
1500	0.084	0.010	34.663	27.834	32.545	37.149	0.36	25.8
1600	0.032	-0.048	34.661	27.835	32.548	37.154	0.36	25.4
1700	-0.009	-0.094	34.661	27.838	32.552	37.160	0.38	25.0
1800	-0.055	-0.146	34.658	27.838	32.553	37.163	0.30	24.7
1900	-0.101	-0.198	34.656	27.839	32.556	37.167	0.35	24.3
2000	-0.147	-0.250	34.655	27.841	32.559	37.172	0.39	23.9
2100	-0.184	-0.294	34.654	27.842	32.562	37.176	0.35	23.5
2200	-0.243	-0.359	34.649	27.841	32.563	37.179	0.32	23.2
2300	-0.354	-0.475	34.642	27.841	32.566	37.186	0.49	22.4
2400	-0.578	-0.702	34.629	27.840	32.573	37.199	0.70	20.9
2500	-0.757	-0.885	34.623	27.843	32.582	37.213	0.71	19.2
2600	-0.862	-0.995	34.619	27.844	32.586	37.221	0.55	18.1
2700	-0.979	-1.117	34.616	27.847	32.592	37.231	0.61	16.8
2760	-1.131	-1.270	34.613	27.850	32.600	37.243	0.90	15.2

## NBP921 6



6

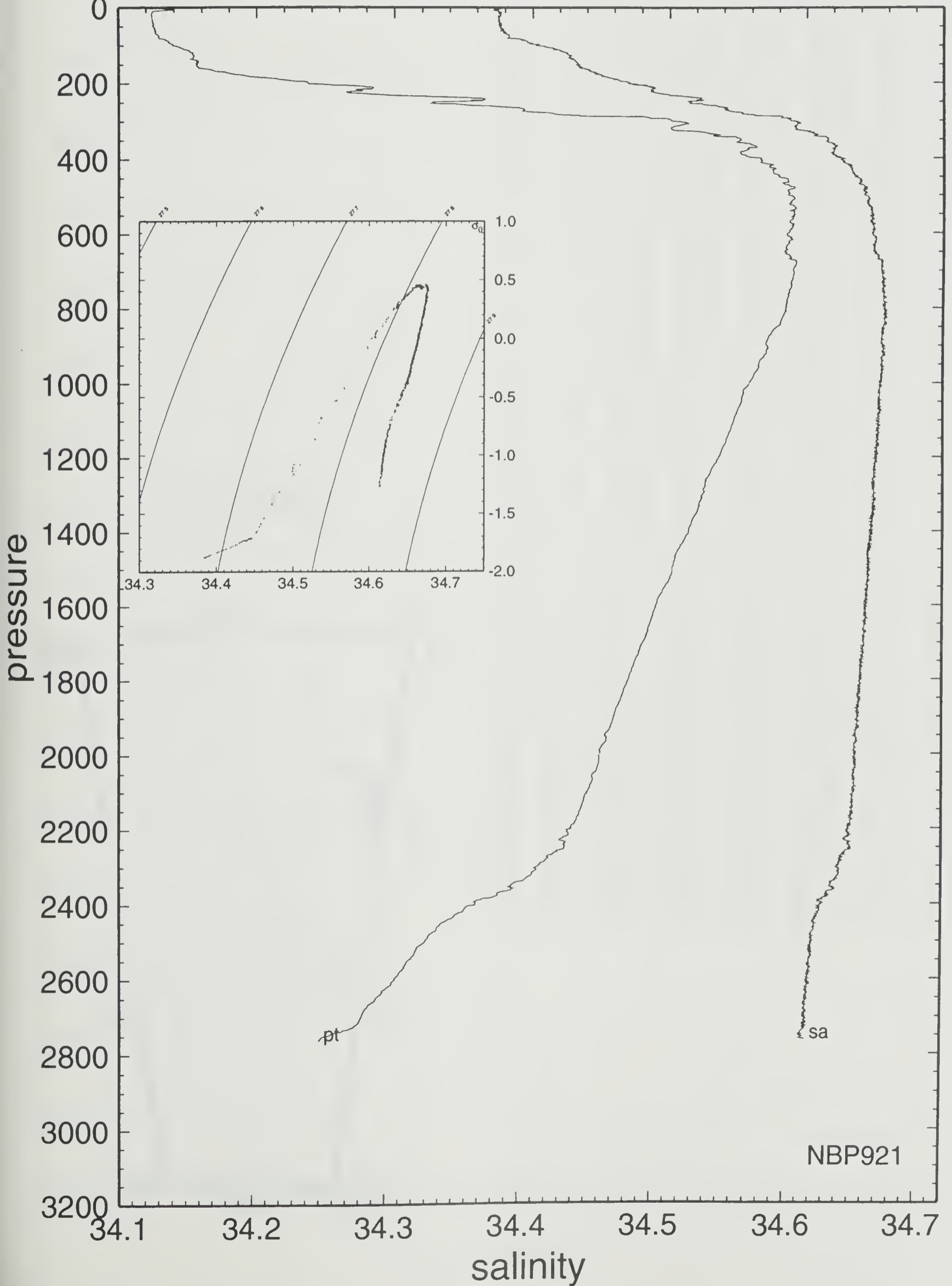
92/05/09 11:13

64 42.34 S 52 24.34 W

NBP

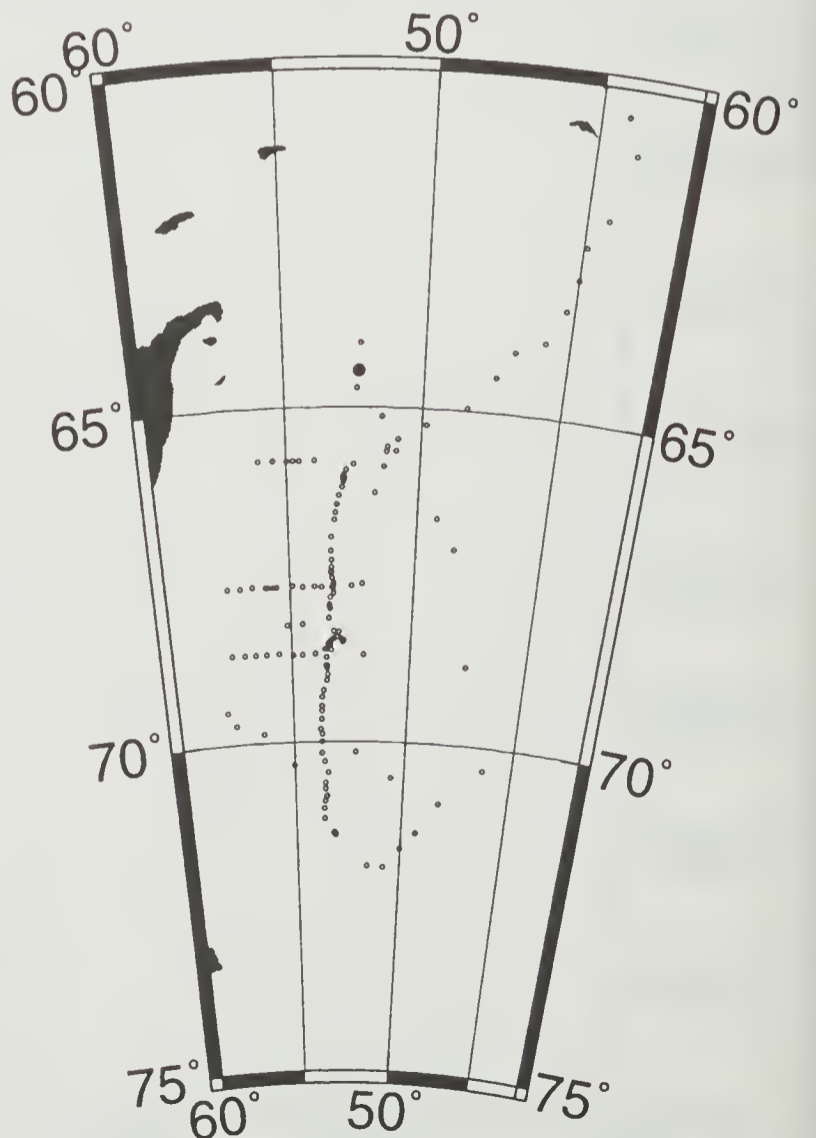
### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



NBP92	-64.4557	-52.3150	92/05/10	131	11:11	NBP921	STA#	7
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.872	-1.872	34.392	27.689	32.460	37.124	0.00	39.5
10	-1.874	-1.874	34.392	27.689	32.460	37.124	0.13	39.5
20	-1.873	-1.873	34.393	27.689	32.461	37.124	0.50	39.3
30	-1.873	-1.874	34.392	27.689	32.460	37.124	-0.50	39.3
40	-1.873	-1.874	34.393	27.689	32.461	37.124	0.51	39.2
50	-1.870	-1.871	34.392	27.689	32.460	37.123	-0.53	39.2
60	-1.871	-1.872	34.391	27.688	32.459	37.123	-0.49	39.2
70	-1.868	-1.869	34.393	27.689	32.460	37.124	0.70	39.0
80	-1.849	-1.851	34.399	27.694	32.464	37.127	1.17	38.6
90	-1.787	-1.789	34.427	27.715	32.483	37.144	2.56	36.5
100	-1.779	-1.781	34.435	27.721	32.489	37.150	1.40	35.9
110	-1.770	-1.772	34.436	27.722	32.489	37.150	0.41	35.8
120	-1.748	-1.750	34.439	27.724	32.490	37.150	0.74	35.5
130	-1.724	-1.727	34.442	27.725	32.491	37.150	0.72	35.3
140	-1.694	-1.697	34.446	27.728	32.493	37.151	0.84	35.1
150	-1.677	-1.680	34.449	27.730	32.494	37.152	0.77	34.8
160	-1.630	-1.634	34.454	27.732	32.496	37.151	0.88	34.5
170	-1.525	-1.529	34.462	27.736	32.495	37.148	0.93	34.2
180	-1.432	-1.436	34.470	27.739	32.496	37.146	0.97	33.9
190	-1.357	-1.362	34.475	27.741	32.495	37.143	0.60	33.7
200	-1.300	-1.305	34.481	27.744	32.496	37.142	0.90	33.4
210	-1.187	-1.193	34.489	27.746	32.495	37.137	0.75	33.2
220	-1.088	-1.094	34.498	27.750	32.496	37.135	0.97	32.9
230	-0.985	-0.992	34.506	27.753	32.495	37.131	0.76	32.7
240	-0.846	-0.853	34.518	27.757	32.495	37.127	1.00	32.4
250	-0.753	-0.761	34.529	27.762	32.497	37.126	1.17	31.9
260	-0.659	-0.667	34.537	27.765	32.497	37.123	0.74	31.7
270	-0.586	-0.595	34.545	27.768	32.498	37.122	0.92	31.5
280	-0.525	-0.534	34.551	27.770	32.498	37.120	0.71	31.3
290	-0.318	-0.328	34.569	27.775	32.497	37.112	0.98	31.0
300	-0.182	-0.193	34.583	27.780	32.497	37.109	1.03	30.6
325	0.014	0.002	34.603	27.786	32.497	37.103	0.73	30.2
350	0.171	0.157	34.619	27.790	32.497	37.098	0.60	29.9
375	0.220	0.205	34.626	27.793	32.499	37.098	0.56	29.7
400	0.285	0.269	34.635	27.797	32.500	37.098	0.60	29.5
425	0.374	0.356	34.643	27.798	32.499	37.094	0.21	29.4
450	0.402	0.383	34.649	27.802	32.502	37.096	0.60	29.2
475	0.480	0.459	34.657	27.804	32.501	37.093	0.33	29.1
500	0.479	0.457	34.659	27.805	32.503	37.095	0.47	29.0
550	0.520	0.496	34.666	27.809	32.505	37.096	0.41	28.8
600	0.516	0.489	34.670	27.812	32.509	37.100	0.48	28.5
650	0.511	0.482	34.671	27.814	32.511	37.102	0.29	28.4
700	0.499	0.467	34.673	27.816	32.513	37.105	0.41	28.2
750	0.492	0.457	34.675	27.818	32.516	37.108	0.38	28.1
800	0.484	0.447	34.674	27.818	32.516	37.108	0.07	28.1
850	0.459	0.419	34.675	27.820	32.519	37.112	0.44	27.9
900	0.433	0.391	34.674	27.821	32.521	37.115	0.32	27.8
950	0.405	0.360	34.675	27.824	32.524	37.119	0.46	27.5
1000	0.378	0.331	34.674	27.825	32.526	37.122	0.33	27.4
1100	0.326	0.273	34.672	27.826	32.530	37.127	0.33	27.2
1200	0.280	0.222	34.671	27.829	32.533	37.132	0.35	26.9
1300	0.235	0.172	34.670	27.831	32.537	37.137	0.35	26.6
1400	0.178	0.109	34.665	27.830	32.538	37.140	0.25	26.5
1500	0.129	0.055	34.664	27.832	32.542	37.145	0.37	26.1
1600	0.089	0.009	34.662	27.833	32.544	37.149	0.30	25.9
1700	0.024	-0.062	34.661	27.836	32.549	37.156	0.44	25.3
1800	-0.025	-0.117	34.658	27.836	32.551	37.160	0.32	25.0
1900	-0.078	-0.176	34.655	27.837	32.553	37.164	0.35	24.6
2000	-0.144	-0.247	34.652	27.838	32.557	37.169	0.41	24.1
2100	-0.264	-0.372	34.646	27.839	32.562	37.178	0.53	23.3
2200	-0.481	-0.593	34.634	27.840	32.569	37.192	0.68	21.8
2300	-0.696	-0.811	34.624	27.841	32.577	37.206	0.71	20.2
2400	-0.850	-0.969	34.618	27.843	32.584	37.218	0.63	18.9
2500	-0.961	-1.085	34.616	27.845	32.590	37.228	0.60	17.6
2600	-1.106	-1.234	34.614	27.849	32.599	37.241	0.69	15.9
2625	-1.109	-1.239	34.614	27.850	32.599	37.241	0.26	15.8

# NBP921 7



7

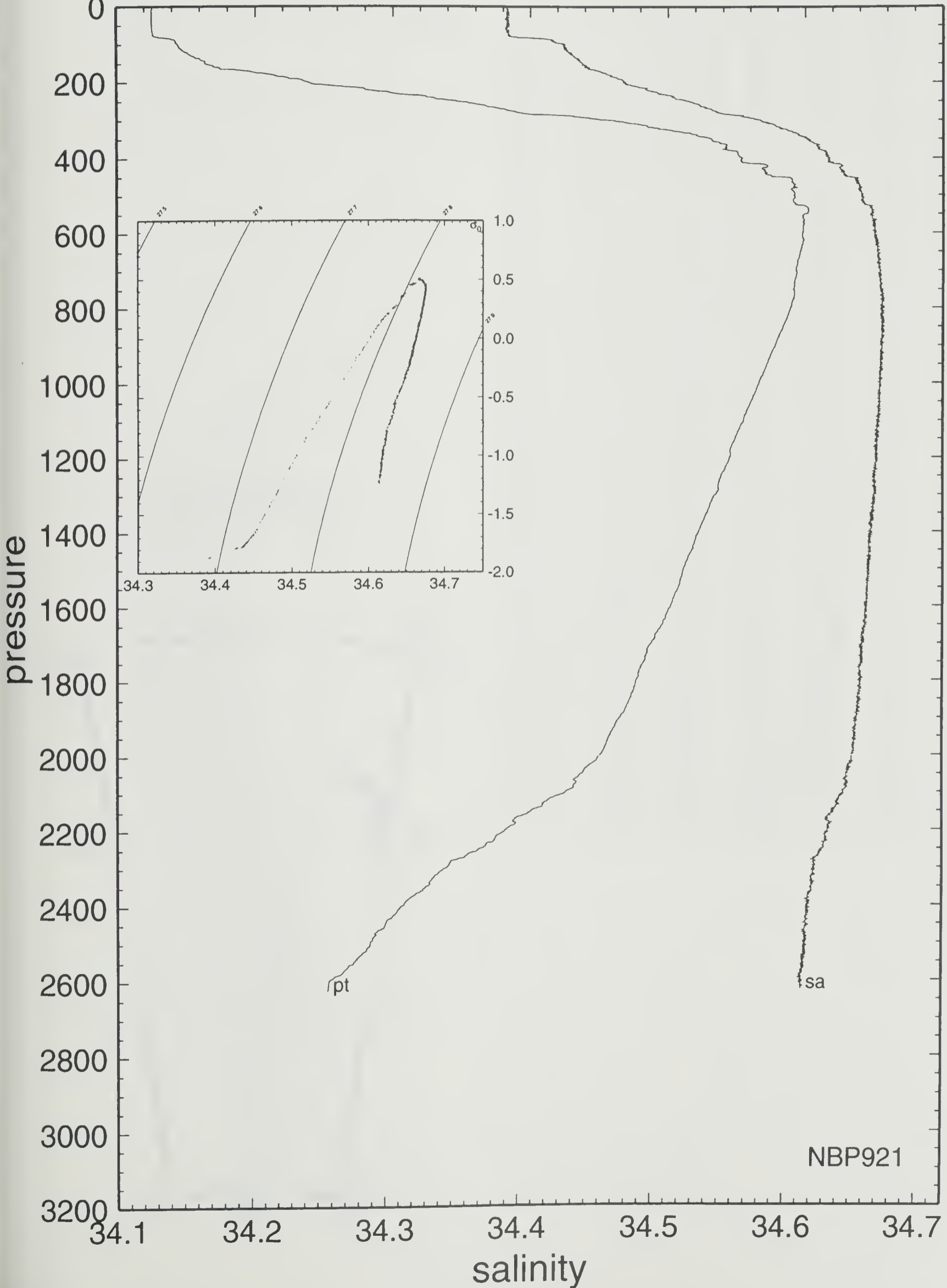
92/05/10 11:11

64 27.34 S 52 18.90 W

NBP

# potential temperature

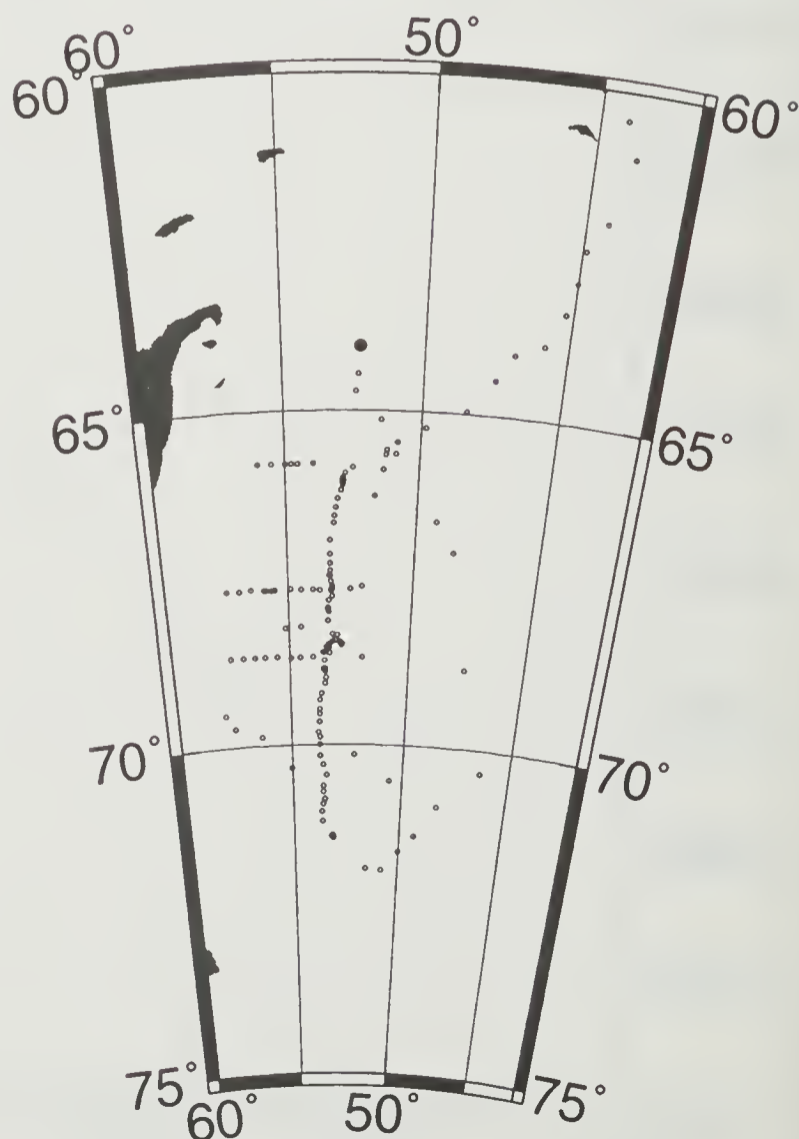
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NBP921

NBP92	-64.0368	-52.2558	92/05/12	133	12:11	NBP921	STA#	8
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.879	-1.879	34.323	27.633	32.405	37.069	0.00	44.8
10	-1.881	-1.881	34.316	27.627	32.399	37.064	-1.33	45.3
20	-1.870	-1.870	34.340	27.646	32.418	37.082	2.45	43.4
30	-1.867	-1.868	34.346	27.651	32.423	37.087	1.23	42.9
40	-1.871	-1.872	34.338	27.645	32.416	37.081	-1.41	43.4
50	-1.867	-1.868	34.344	27.649	32.421	37.085	1.22	42.9
60	-1.866	-1.867	34.348	27.653	32.424	37.088	1.01	42.6
70	-1.861	-1.862	34.355	27.658	32.429	37.093	1.32	42.0
80	-1.855	-1.857	34.361	27.663	32.434	37.097	1.21	41.5
90	-1.852	-1.854	34.382	27.680	32.451	37.114	2.31	39.8
100	-1.849	-1.851	34.399	27.694	32.464	37.127	2.07	38.4
110	-1.823	-1.825	34.412	27.704	32.473	37.135	1.75	37.5
120	-1.817	-1.819	34.420	27.710	32.479	37.141	1.41	36.8
130	-1.813	-1.816	34.424	27.713	32.482	37.144	0.99	36.4
140	-1.812	-1.815	34.427	27.716	32.485	37.146	0.87	36.2
150	-1.810	-1.813	34.428	27.716	32.485	37.147	0.49	36.0
160	-1.804	-1.807	34.430	27.718	32.487	37.148	0.67	35.8
170	-1.802	-1.806	34.431	27.719	32.487	37.149	0.49	35.7
180	-1.791	-1.795	34.432	27.719	32.487	37.148	0.38	35.6
190	-1.776	-1.780	34.434	27.720	32.488	37.149	0.60	35.4
200	-1.764	-1.768	34.436	27.722	32.489	37.149	0.62	35.3
210	-1.739	-1.744	34.439	27.723	32.490	37.149	0.70	35.0
220	-1.729	-1.734	34.440	27.724	32.490	37.149	0.38	34.9
230	-1.698	-1.703	34.442	27.725	32.490	37.148	0.41	34.8
240	-1.609	-1.615	34.451	27.729	32.492	37.147	1.13	34.4
250	-1.515	-1.521	34.459	27.733	32.493	37.145	0.95	34.1
260	-1.399	-1.406	34.467	27.736	32.492	37.140	0.76	33.9
270	-1.234	-1.241	34.477	27.738	32.489	37.133	0.60	33.7
280	-1.025	-1.033	34.499	27.749	32.493	37.130	1.62	32.9
290	-0.978	-0.986	34.504	27.751	32.493	37.129	0.76	32.7
300	-0.903	-0.912	34.508	27.751	32.491	37.125	-0.35	32.7
325	-0.596	-0.607	34.536	27.761	32.492	37.116	0.92	32.0
350	-0.281	-0.294	34.571	27.775	32.496	37.110	1.14	30.9
375	-0.072	-0.086	34.591	27.781	32.495	37.103	0.66	30.6
400	0.019	0.003	34.602	27.785	32.496	37.102	0.62	30.3
425	0.143	0.126	34.615	27.789	32.497	37.099	0.54	30.1
450	0.268	0.249	34.628	27.792	32.496	37.095	0.50	29.9
475	0.351	0.331	34.638	27.796	32.497	37.093	0.53	29.7
500	0.414	0.392	34.647	27.799	32.499	37.093	0.59	29.4
550	0.491	0.467	34.658	27.804	32.501	37.093	0.45	29.2
600	0.518	0.491	34.663	27.807	32.503	37.094	0.37	29.0
650	0.526	0.496	34.668	27.810	32.507	37.098	0.47	28.8
700	0.524	0.492	34.670	27.812	32.509	37.100	0.35	28.6
750	0.507	0.472	34.672	27.815	32.512	37.104	0.45	28.4
800	0.493	0.456	34.673	27.817	32.514	37.106	0.37	28.3
850	0.476	0.436	34.674	27.819	32.517	37.109	0.39	28.1
900	0.448	0.406	34.673	27.820	32.519	37.112	0.33	28.0
950	0.431	0.386	34.674	27.822	32.521	37.115	0.39	27.8
1000	0.409	0.361	34.675	27.824	32.524	37.119	0.43	27.6
1100	0.356	0.303	34.672	27.825	32.527	37.123	0.29	27.4
1200	0.273	0.215	34.667	27.826	32.531	37.129	0.35	27.1
1300	0.203	0.140	34.665	27.828	32.535	37.136	0.41	26.7
1400	0.162	0.093	34.663	27.829	32.538	37.140	0.30	26.5
1500	0.044	-0.029	34.657	27.831	32.543	37.149	0.47	25.8
1600	-0.109	-0.187	34.647	27.831	32.548	37.159	0.48	25.2
1700	-0.277	-0.359	34.645	27.838	32.560	37.176	0.69	23.7
1800	-0.444	-0.530	34.637	27.839	32.567	37.188	0.57	22.6
1900	-0.757	-0.844	34.622	27.841	32.578	37.208	0.77	20.7
2000	-1.023	-1.112	34.611	27.842	32.588	37.226	0.74	18.8
2075	-1.162	-1.254	34.608	27.845	32.595	37.238	0.69	17.5

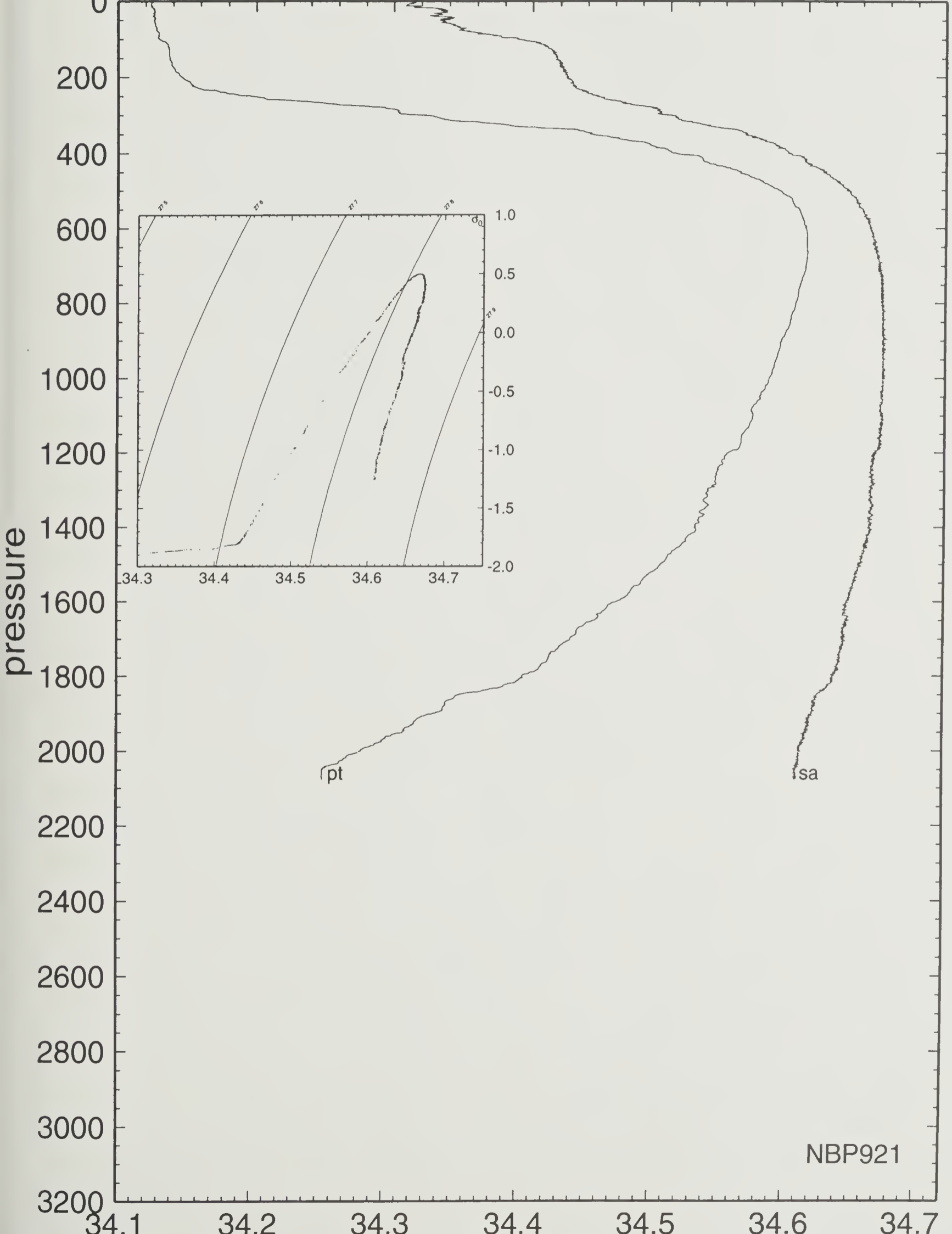
# NBP921 8





# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



pt

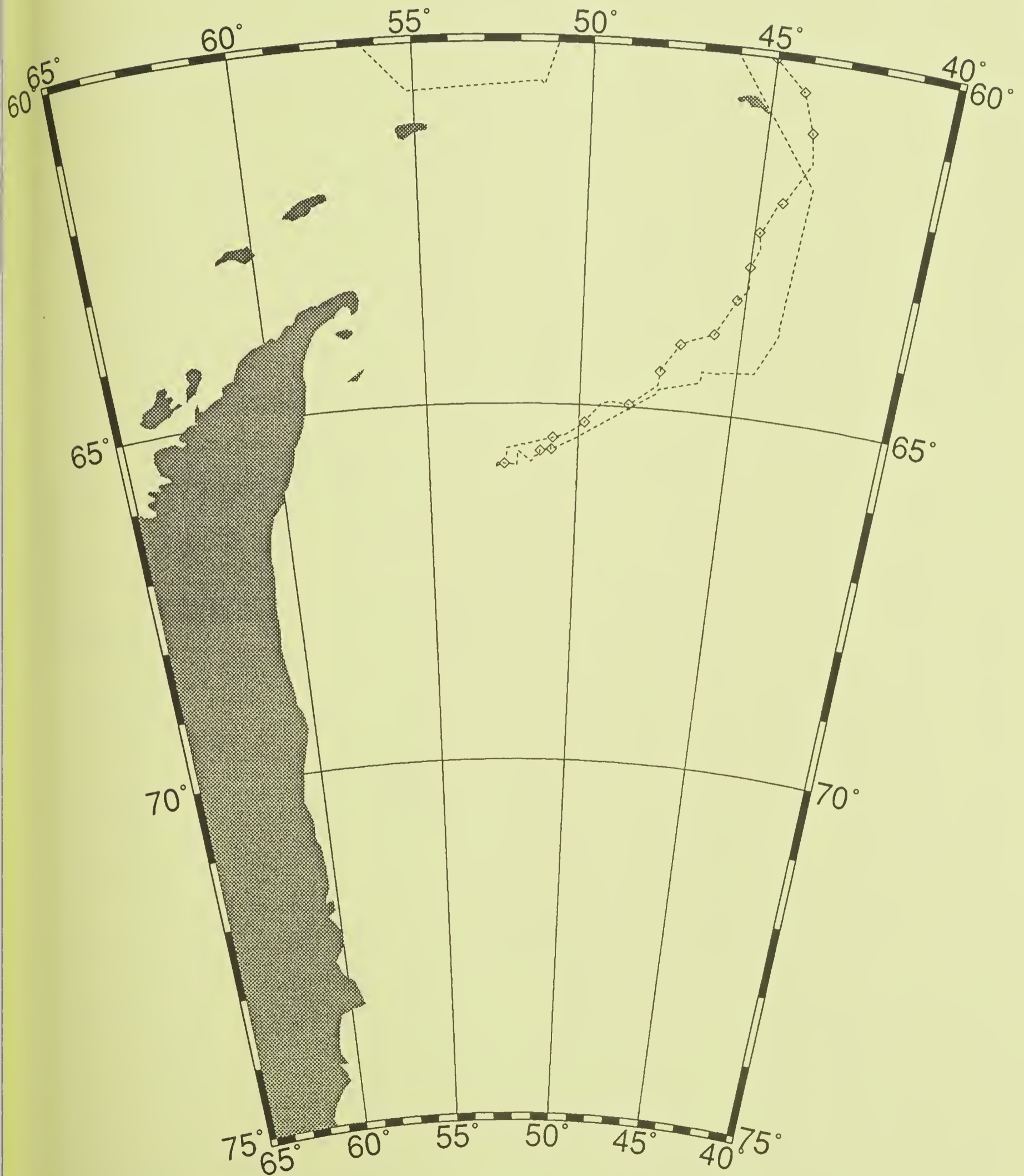
sa

NBP921

salinity



# N.B. Palmer Recovery









1

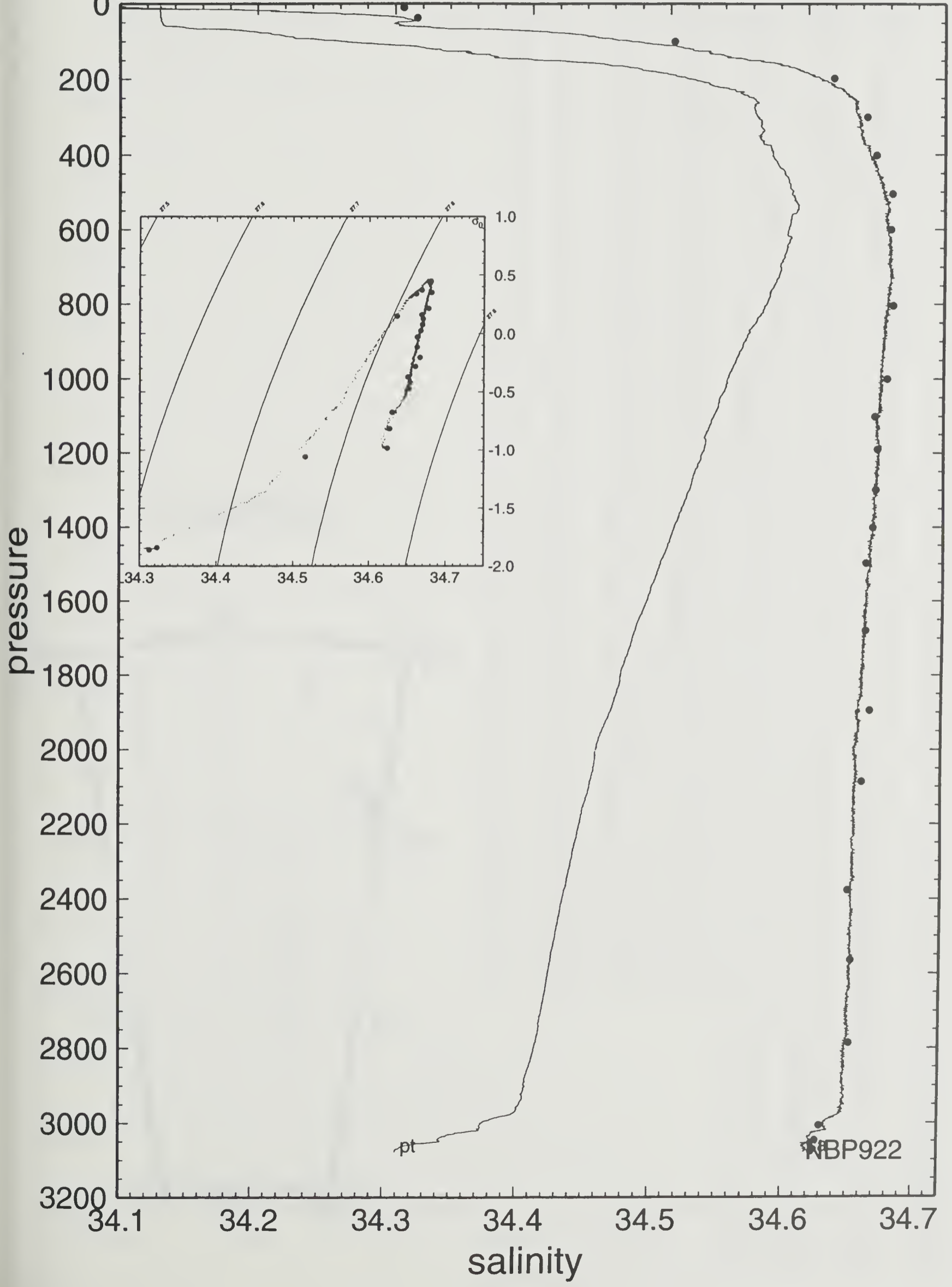
92/05/30 13:33

65 38.03 S 50 53.69 W

NBP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



pt

NBP922





2

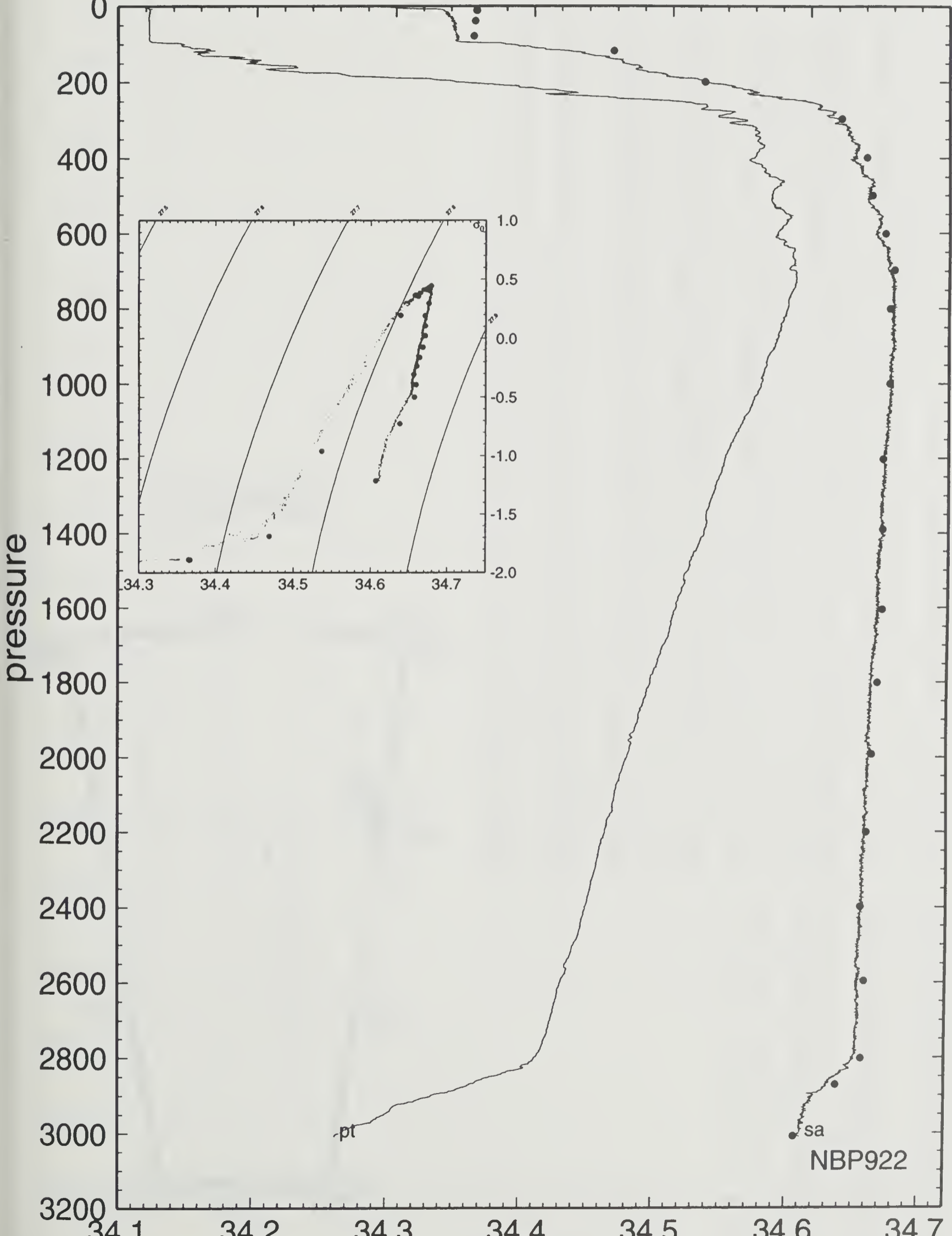
92/05/31 22:38

65 39.26 S 51 15.95 W

NBP

# potential temperature

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pressure

salinity

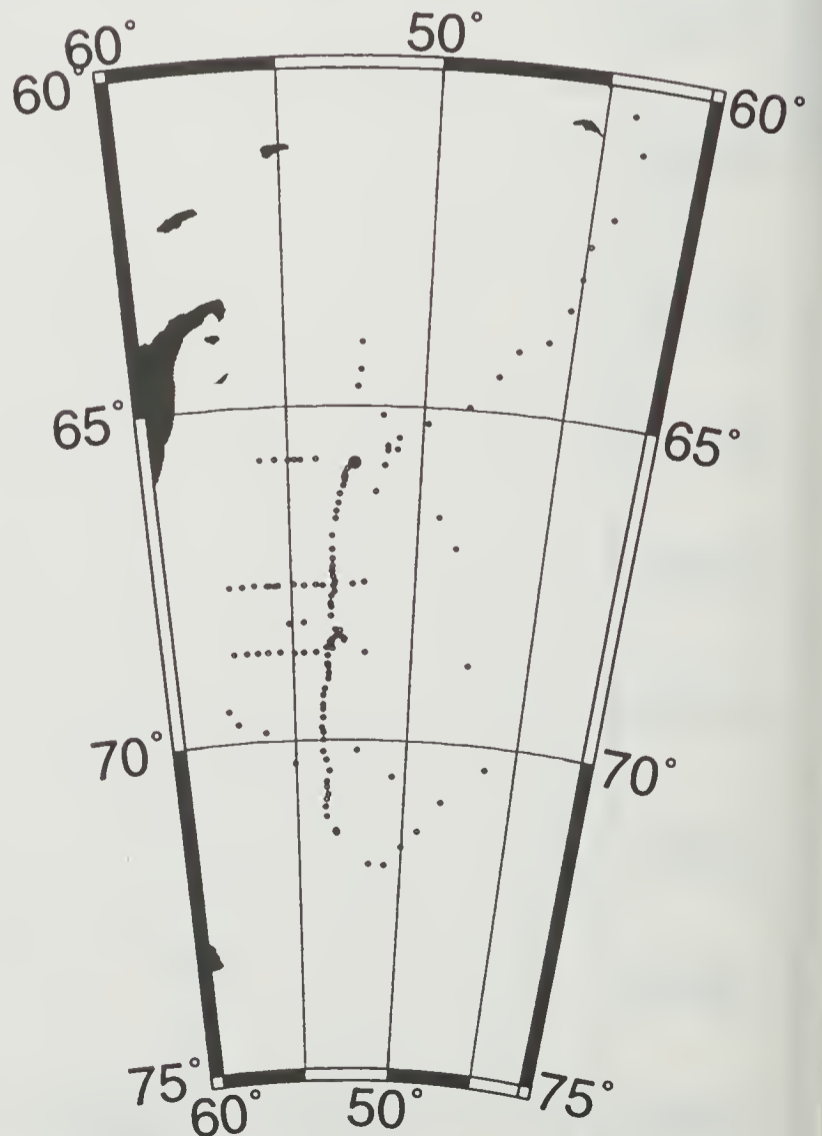
-pt

sa  
NBP922

NBP92 -65.8379 -52.4752 92/06/04 156 04:58 NBP922 STA# 3 2363 -0.914 -1.029 34.621 6.029

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.883	-1.883	34.386	27.684	32.456	37.120	0.00	40.0
10	-1.886	-1.886	34.403	27.698	32.469	37.134	2.09	38.6
20	-1.885	-1.885	34.407	27.701	32.473	37.137	1.01	38.2
30	-1.885	-1.886	34.412	27.705	32.477	37.141	1.13	37.8
40	-1.885	-1.886	34.414	27.707	32.478	37.142	0.71	37.6
50	-1.885	-1.886	34.419	27.711	32.482	37.146	1.13	37.1
60	-1.883	-1.884	34.418	27.710	32.481	37.145	-0.52	37.1
70	-1.849	-1.850	34.426	27.716	32.486	37.149	1.32	36.5
80	-1.822	-1.824	34.431	27.719	32.488	37.150	1.01	36.2
90	-1.803	-1.805	34.439	27.725	32.494	37.155	1.36	35.6
100	-1.784	-1.786	34.445	27.729	32.497	37.158	1.16	35.1
110	-1.748	-1.750	34.452	27.734	32.501	37.160	1.20	34.6
120	-1.745	-1.747	34.453	27.735	32.502	37.161	0.48	34.5
130	-1.728	-1.731	34.455	27.736	32.502	37.161	0.58	34.3
140	-1.705	-1.708	34.458	27.738	32.503	37.161	0.73	34.1
150	-1.677	-1.680	34.462	27.740	32.505	37.162	0.85	33.8
160	-1.582	-1.586	34.472	27.746	32.507	37.161	1.23	33.3
170	-1.535	-1.539	34.477	27.748	32.508	37.161	0.86	33.0
180	-1.441	-1.445	34.483	27.750	32.507	37.157	0.66	32.9
190	-1.295	-1.300	34.496	27.756	32.508	37.153	1.23	32.4
200	-1.283	-1.288	34.495	27.755	32.507	37.151	-0.63	32.4
210	-1.182	-1.188	34.507	27.761	32.510	37.151	1.31	31.9
220	-0.965	-0.971	34.523	27.766	32.508	37.143	1.03	31.5
230	-0.848	-0.855	34.529	27.766	32.504	37.136	-0.44	31.5
240	-0.692	-0.700	34.541	27.769	32.502	37.129	0.80	31.3
250	-0.508	-0.516	34.556	27.773	32.501	37.122	0.91	31.1
260	-0.372	-0.381	34.570	27.778	32.502	37.119	1.11	30.7
270	-0.170	-0.180	34.587	27.782	32.499	37.110	0.84	30.4
280	-0.053	-0.063	34.599	27.786	32.500	37.107	0.93	30.2
290	0.017	0.006	34.604	27.786	32.498	37.103	-0.25	30.2
300	0.055	0.044	34.609	27.788	32.499	37.103	0.73	30.0
325	0.222	0.209	34.627	27.794	32.499	37.099	0.70	29.7
350	0.276	0.262	34.633	27.796	32.499	37.097	0.41	29.5
375	0.332	0.316	34.640	27.798	32.500	37.096	0.49	29.4
400	0.373	0.356	34.646	27.801	32.502	37.097	0.51	29.2
425	0.419	0.401	34.653	27.804	32.503	37.097	0.56	29.0
450	0.450	0.431	34.657	27.805	32.504	37.097	0.37	28.9
475	0.473	0.452	34.663	27.809	32.507	37.099	0.64	28.6
500	0.495	0.473	34.664	27.808	32.506	37.097	-0.30	28.7
550	0.498	0.474	34.669	27.812	32.510	37.101	0.50	28.4
600	0.524	0.497	34.675	27.816	32.512	37.103	0.43	28.2
650	0.524	0.494	34.677	27.818	32.514	37.105	0.34	28.1
700	0.504	0.472	34.677	27.819	32.516	37.108	0.33	28.0
750	0.468	0.434	34.677	27.821	32.520	37.112	0.44	27.7
800	0.444	0.407	34.676	27.822	32.521	37.114	0.29	27.7
850	0.418	0.379	34.677	27.824	32.524	37.119	0.44	27.4
900	0.388	0.346	34.675	27.825	32.526	37.121	0.26	27.4
950	0.366	0.322	34.675	27.826	32.528	37.124	0.36	27.2
1000	0.331	0.284	34.673	27.827	32.529	37.126	0.32	27.1
1100	0.265	0.213	34.674	27.832	32.536	37.135	0.47	26.5
1200	0.202	0.145	34.671	27.833	32.540	37.141	0.34	26.2
1300	0.158	0.095	34.670	27.835	32.543	37.145	0.34	25.9
1400	0.121	0.053	34.670	27.837	32.547	37.150	0.35	25.6
1500	0.062	-0.012	34.667	27.838	32.550	37.155	0.34	25.3
1600	0.006	-0.073	34.663	27.838	32.551	37.159	0.30	25.0
1700	-0.066	-0.151	34.659	27.839	32.555	37.164	0.38	24.6
1800	-0.218	-0.307	34.649	27.839	32.559	37.173	0.50	23.8
1900	-0.428	-0.520	34.639	27.841	32.568	37.188	0.66	22.5
2000	-0.551	-0.648	34.633	27.841	32.572	37.197	0.51	21.6
2100	-0.707	-0.808	34.629	27.845	32.581	37.210	0.65	20.2
2200	-0.849	-0.954	34.625	27.848	32.588	37.222	0.62	18.9
2300	-0.904	-1.015	34.622	27.848	32.590	37.226	0.36	18.3
2365	-0.915	-1.030	34.622	27.848	32.591	37.227	0.28	18.0

# NBP922 3



PRES	TEMPER	POTEMP	SLINTY	OXYG
17	-1.880	-1.880	34.421	6.824
50	-1.872	-1.873	34.421	6.756
102	-1.772	-1.774	34.451	6.759
199	-1.270	-1.275	34.496	6.142
301	-0.032	-0.043	34.599	5.286
400	0.372	0.355	34.649	4.949
499	0.491	0.469	34.665	4.851
599	0.530	0.503	34.675	
698	0.514	0.482	34.680	4.654
798	0.448	0.411	34.676	4.836
898	0.387	0.345	34.676	4.856
999	0.313	0.266	34.678	4.846
1099	0.245	0.193	34.675	5.042
1198	0.184	0.127	34.670	5.107
1299	0.146	0.084	34.670	5.167
1397	0.102	0.034	34.669	5.114
1499	0.051	-0.022	34.668	5.160
1595	0.011	-0.068	34.665	
1700	-0.090	-0.174	34.659	5.234
1851	-0.332	-0.423	34.641	5.633
1994	-0.566	-0.662	34.630	5.878
2146	-0.773	-0.876	34.627	6.165
2305	-0.913	-1.024	34.627	6.089

3

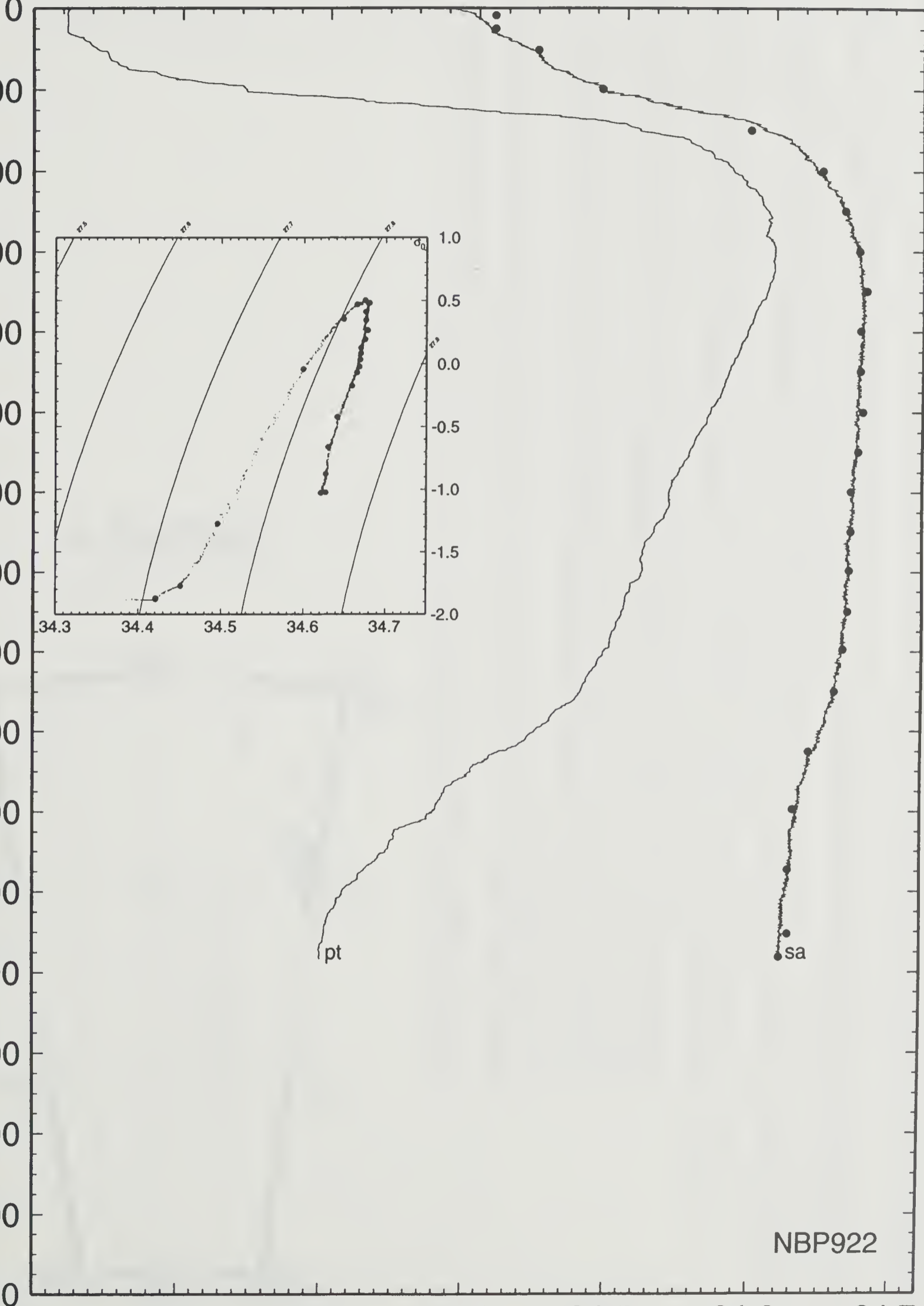
92/06/04 04:58

65 50.27 S 52 28.51 W

NBP

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



pressure

salinity

NBP922



4

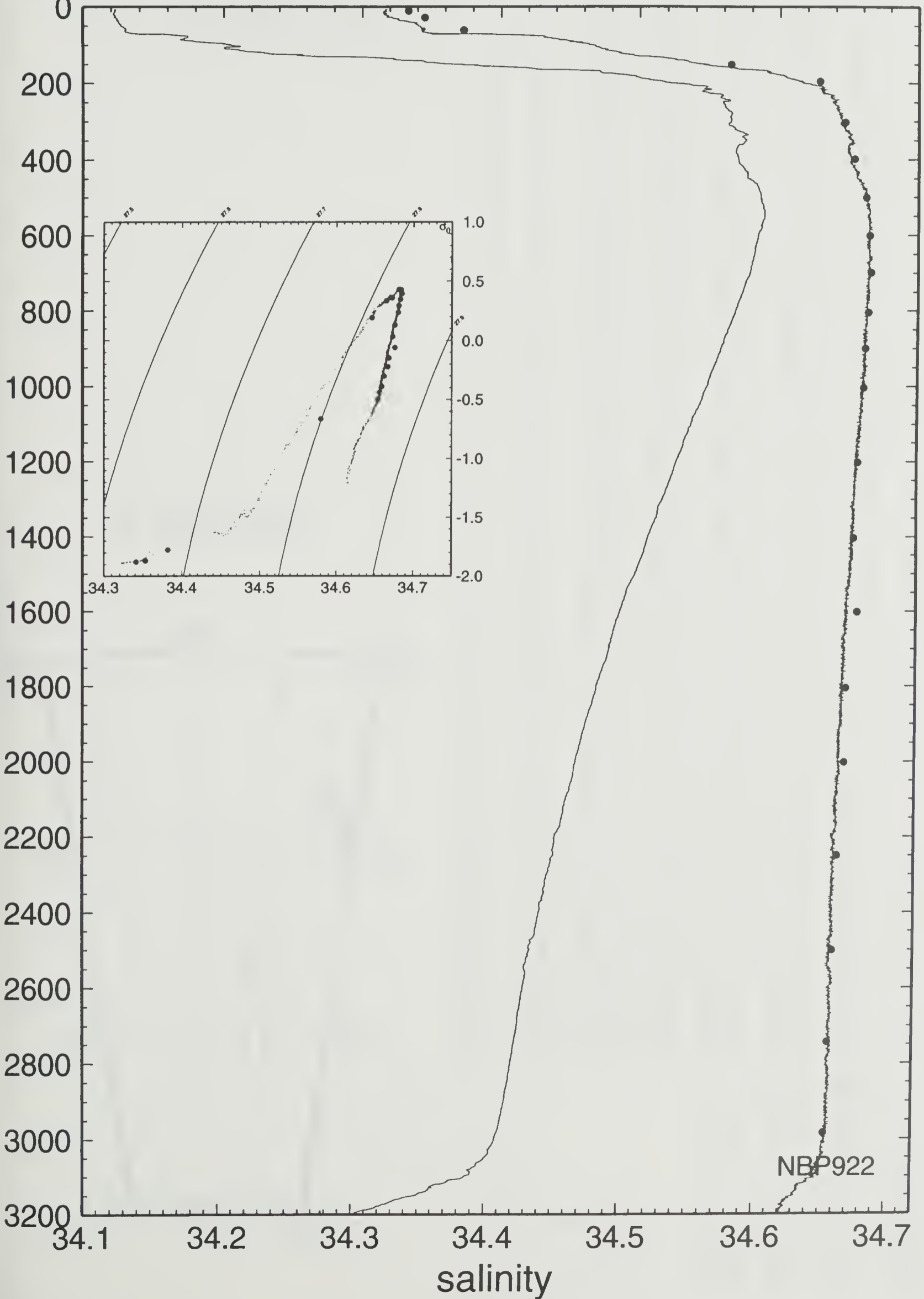
92/06/10 18:39

65 28.33 S 50 51.28 W

NBP

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



NBP922



5

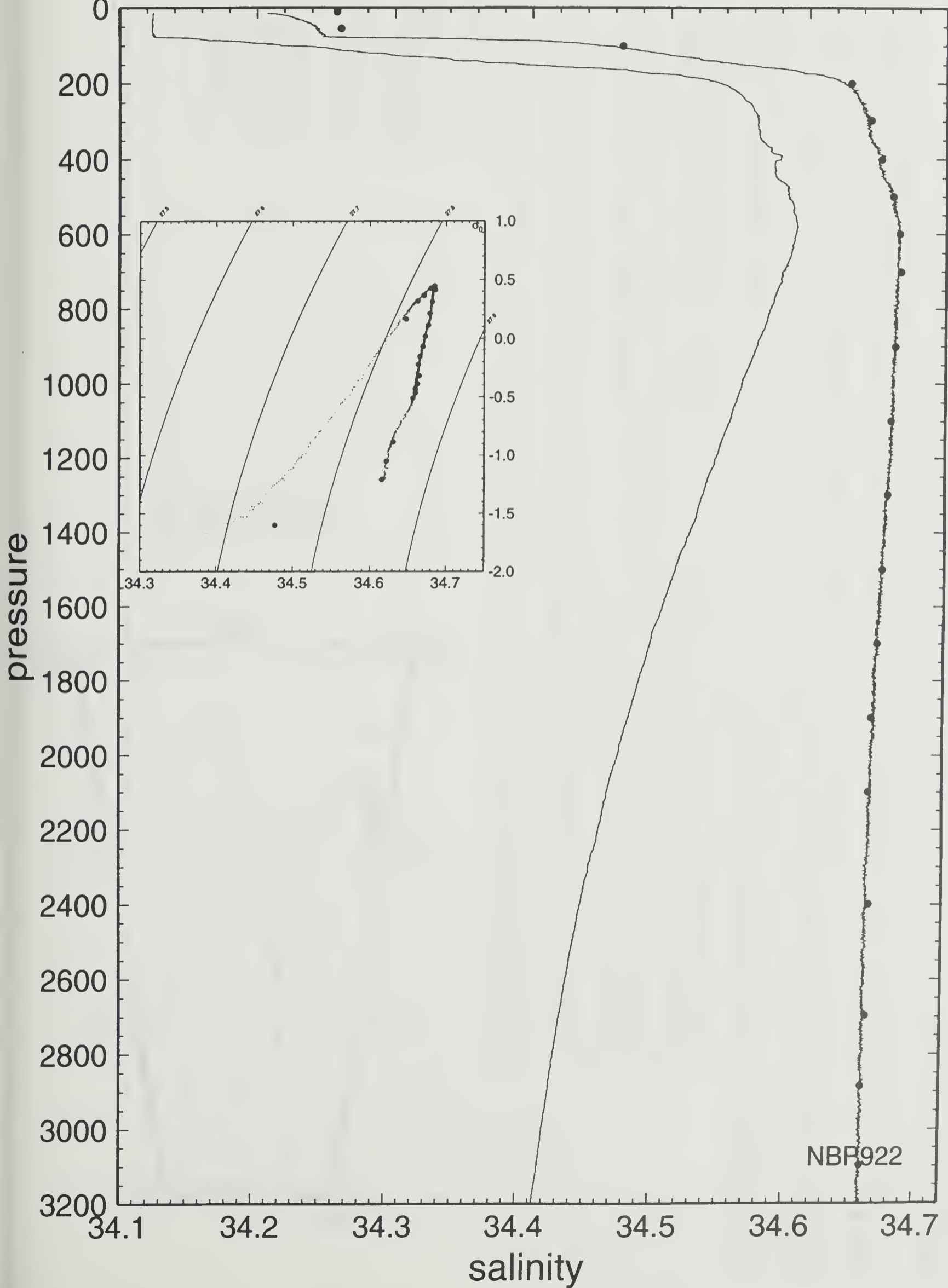
92/06/12 03:29

65 14.80 S 49 48.79 W

NBP

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



NBP922





6

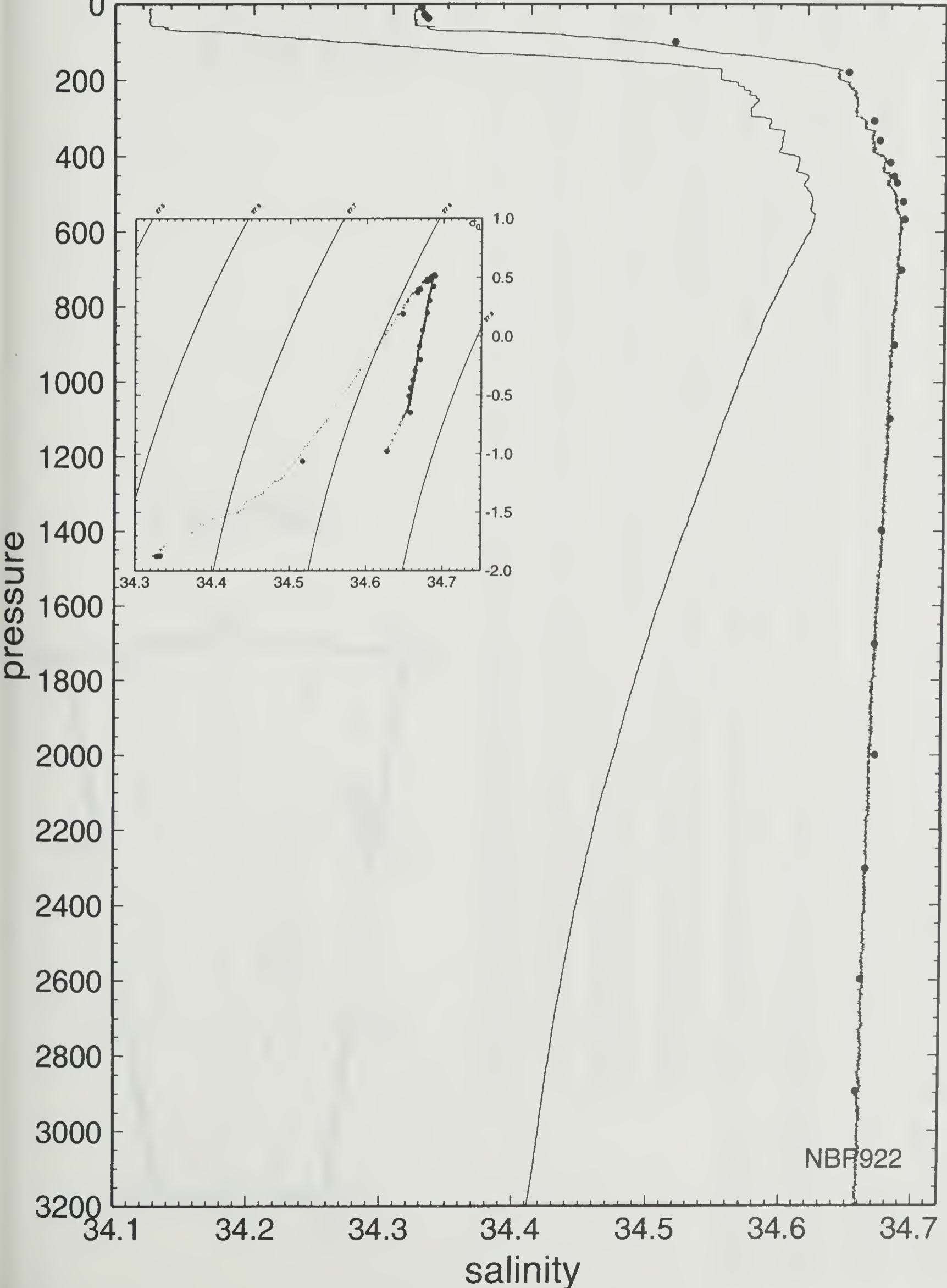
92/06/12 22:32

64 58.01 S 48 22.95 W

NBP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0





7

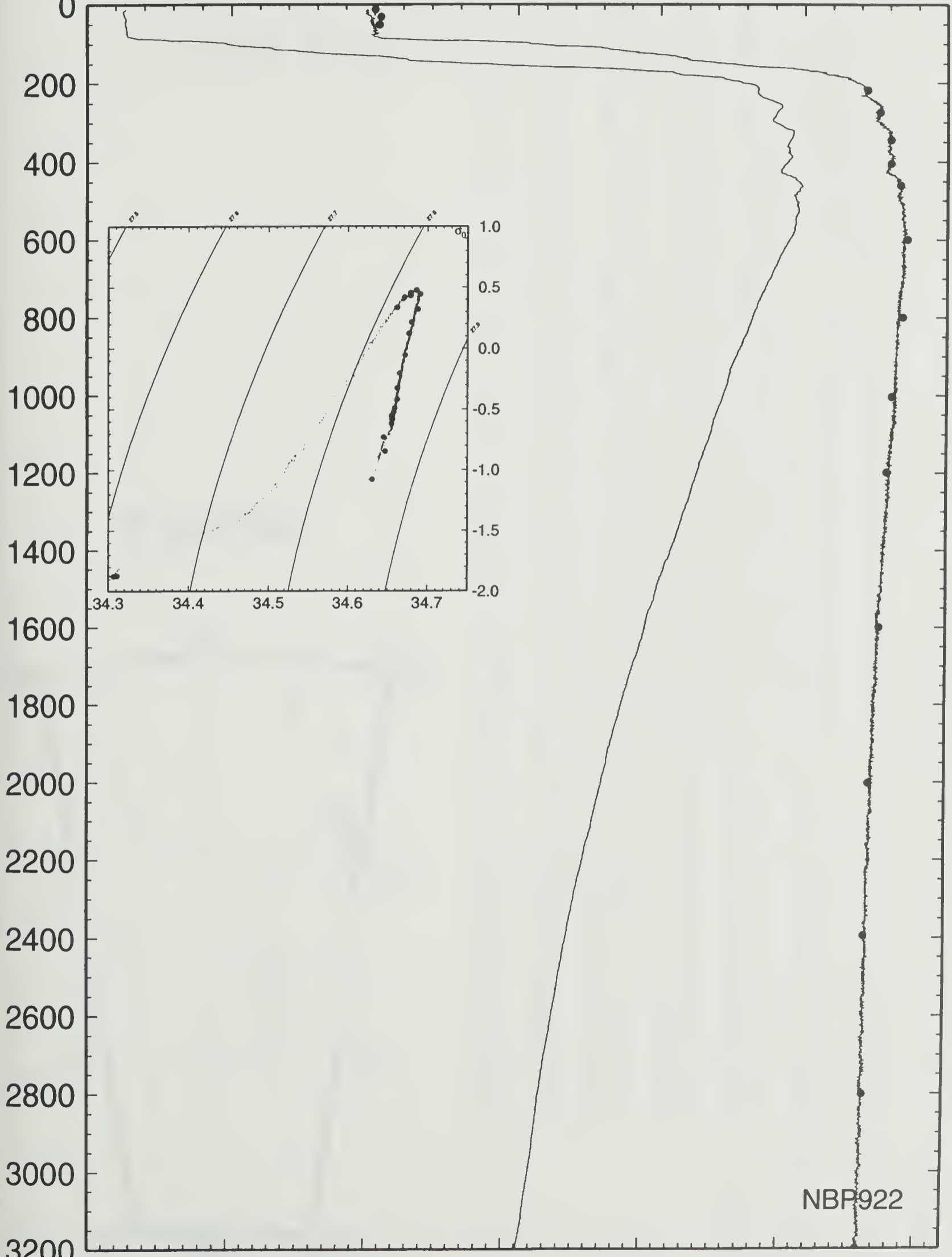
92/06/13 14:21

64 28.40 S 47 27.20 W

NBP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



NBP922

pressure

salinity



8

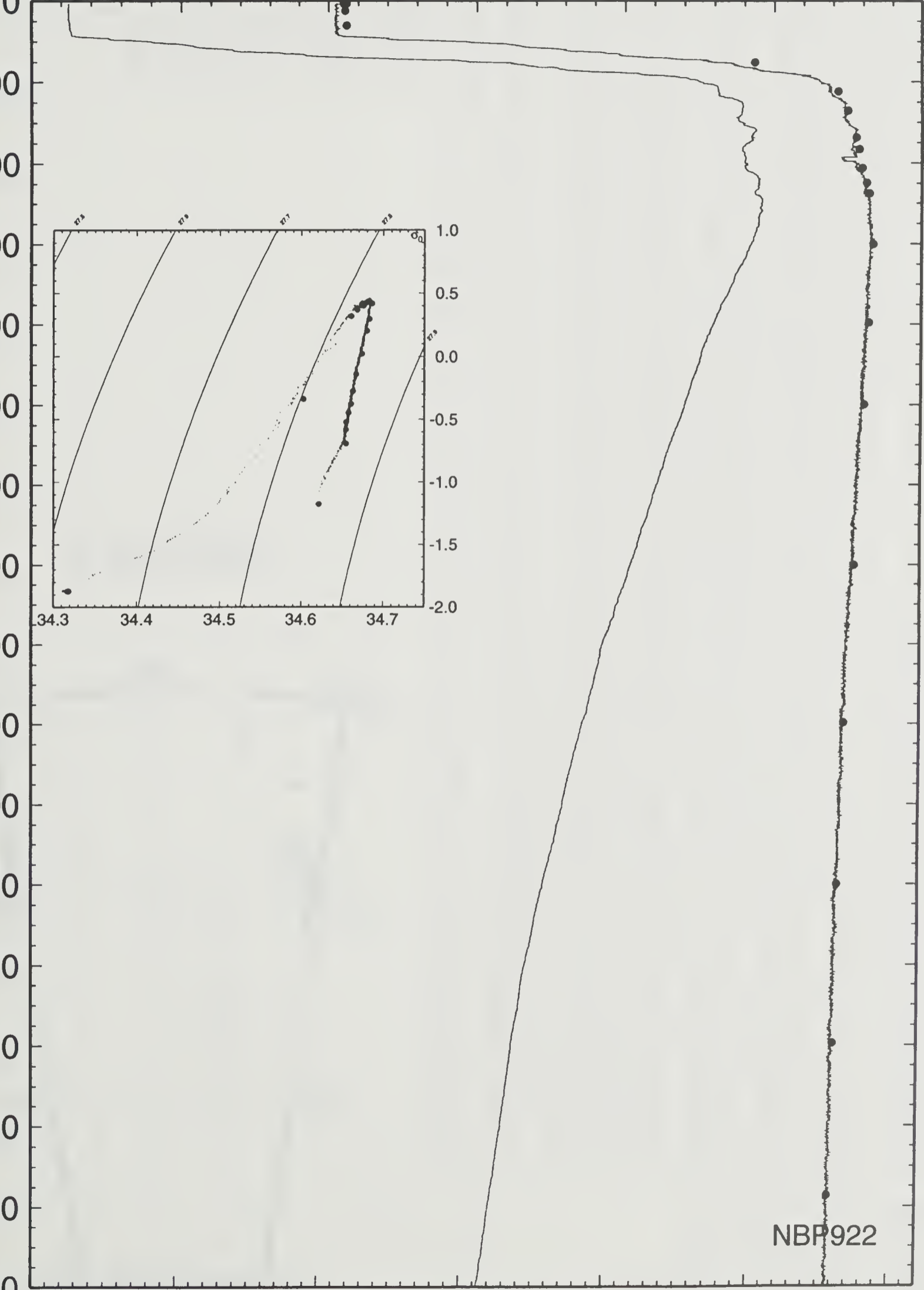
92/06/14 05:35

64 4.43 S 46 52.28 W

NBP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



NBP922

pressure

salinity



9

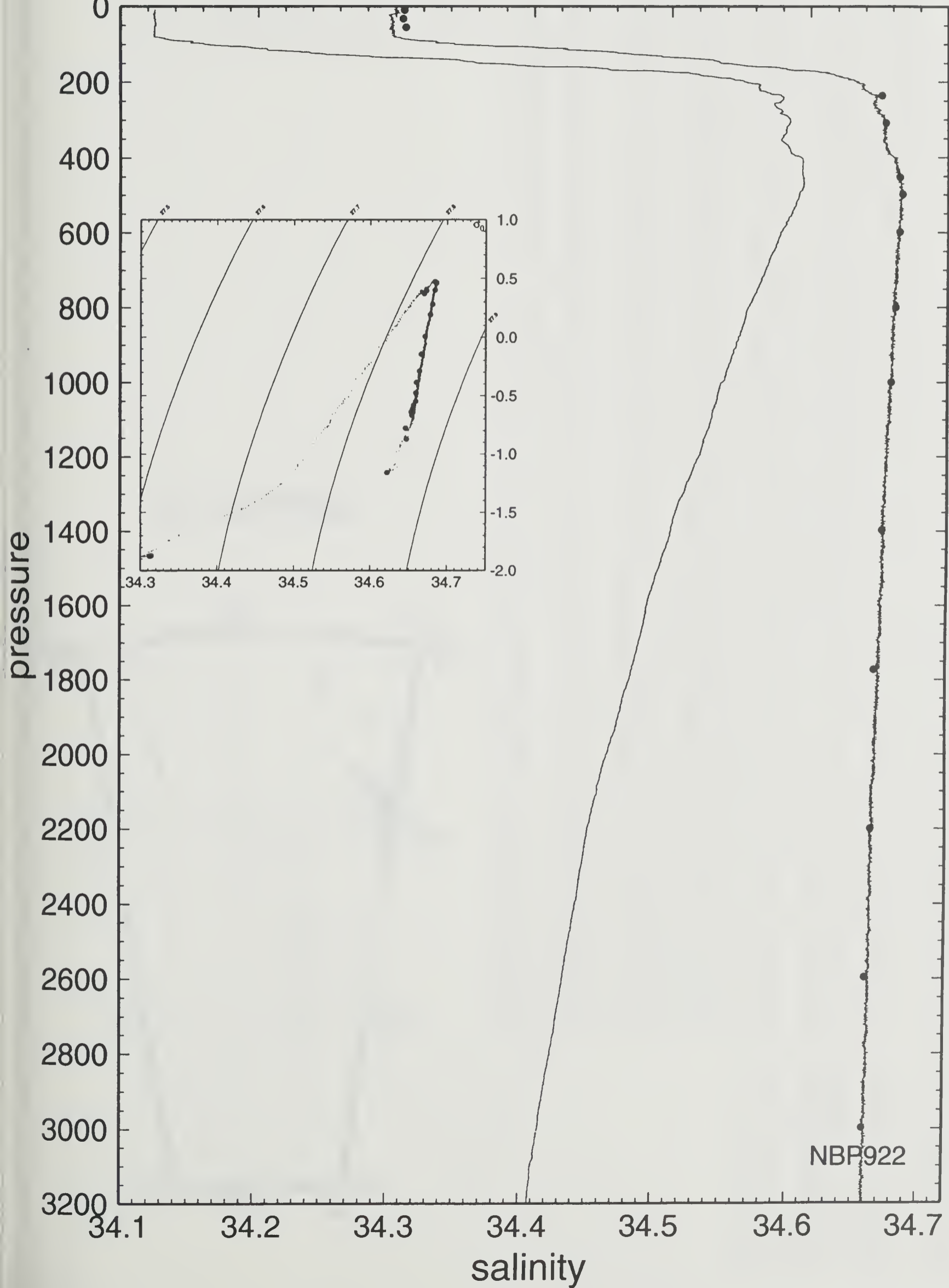
92/06/14 16:28

63 53.47 S 45 50.87 W

NBP

### potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



NBP922

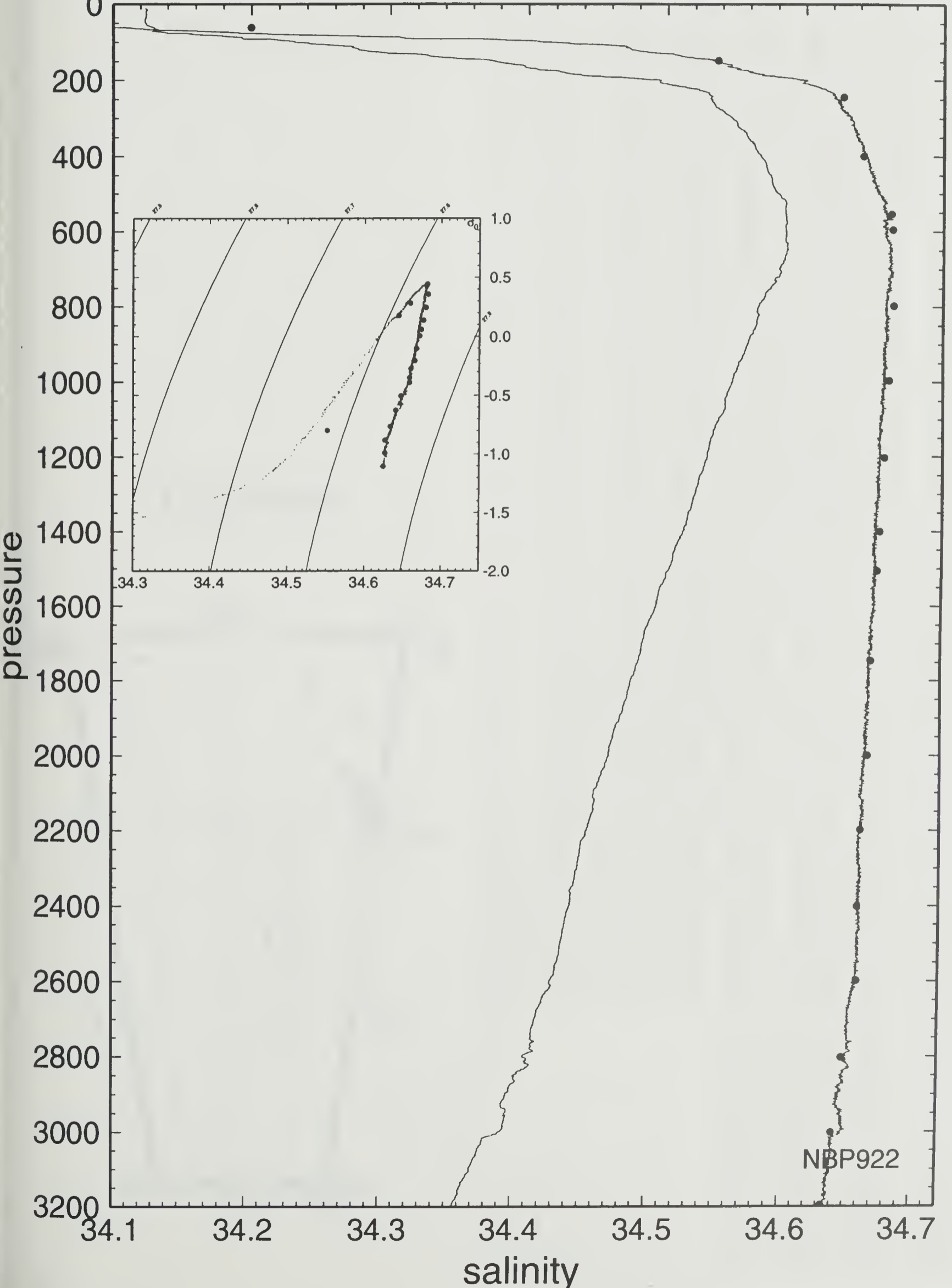




10 92/06/15 02:12 63 23.09 S 45 15.86 W NBP

### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

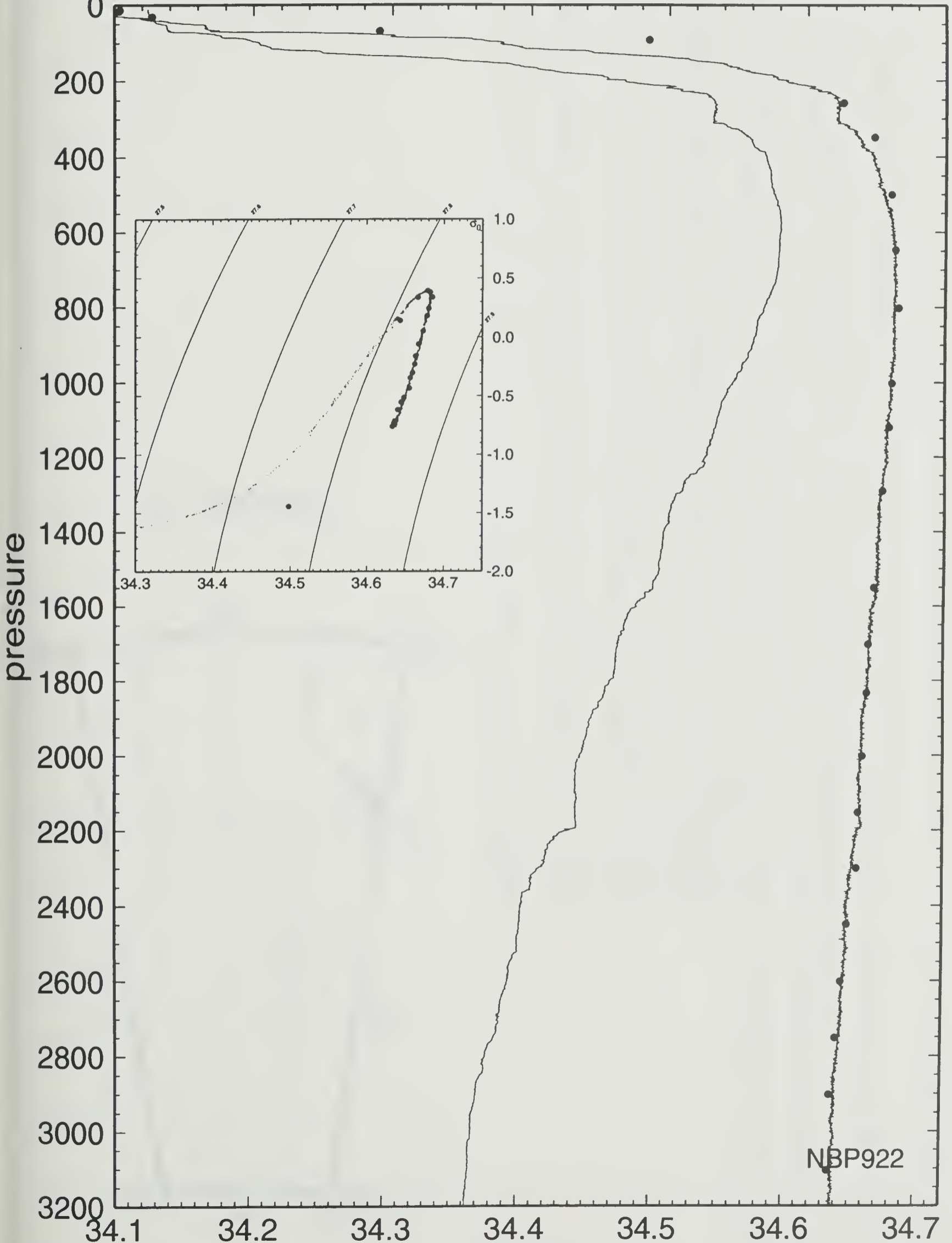




11 92/06/15 11:25 62 54.26 S 45 0.02 W NBP

### potential temperature

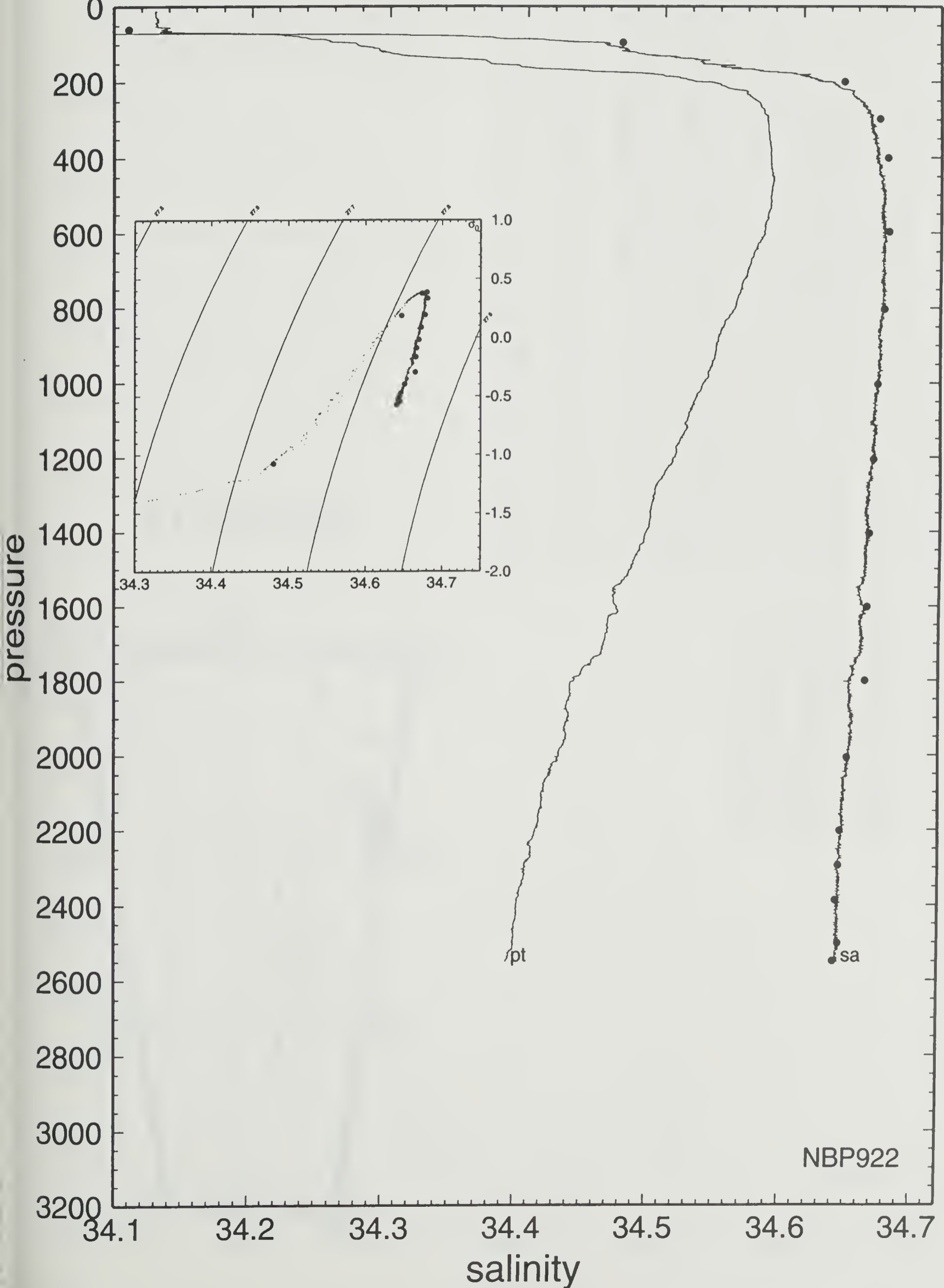
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0





### potential temperature

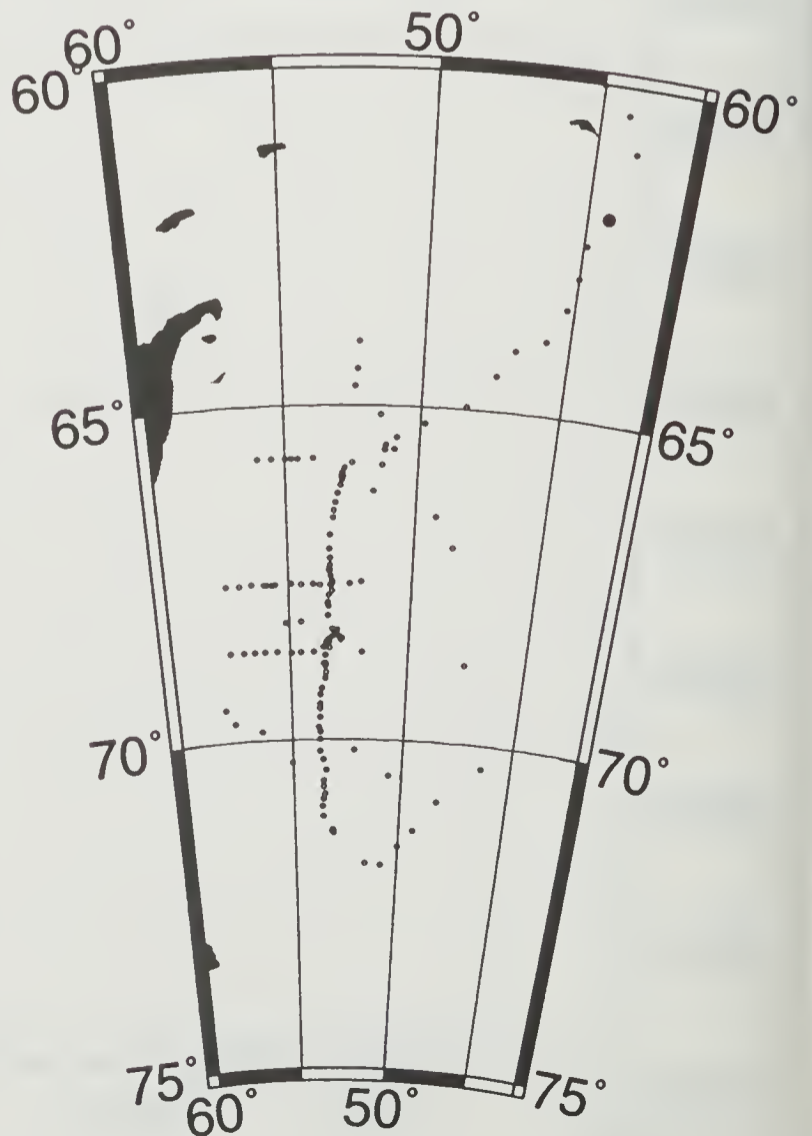
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



NBP92	-61.9721	-44.3094	92/06/16	168	21:31	NBP922	STA#	13
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.827	-1.827	33.887	27.277	32.051	36.718	0.00	78.6
10	-1.830	-1.830	33.886	27.276	32.050	36.717	-0.48	78.6
20	-1.828	-1.828	33.887	27.277	32.051	36.718	0.49	78.4
30	-1.827	-1.828	33.888	27.278	32.052	36.719	0.50	78.3
40	-1.827	-1.828	33.887	27.277	32.051	36.718	-0.50	78.3
50	-1.827	-1.828	33.887	27.277	32.051	36.718	0.04	78.2
60	-1.823	-1.824	33.888	27.277	32.052	36.718	0.47	78.1
70	-1.751	-1.752	33.909	27.293	32.064	36.729	2.17	76.6
80	-1.299	-1.301	34.098	27.433	32.189	36.837	6.60	63.4
90	-1.182	-1.184	34.199	27.511	32.262	36.906	4.93	56.0
100	-1.158	-1.161	34.273	27.570	32.320	36.963	4.30	50.3
110	-1.090	-1.093	34.325	27.610	32.357	36.998	3.51	46.6
120	-1.043	-1.046	34.360	27.636	32.382	37.021	2.88	44.0
130	-1.003	-1.007	34.389	27.658	32.403	37.040	2.61	41.9
140	-0.938	-0.942	34.418	27.679	32.421	37.056	2.54	39.9
150	-0.830	-0.834	34.451	27.702	32.440	37.072	2.62	37.8
160	-0.766	-0.771	34.467	27.712	32.448	37.078	1.77	36.9
170	-0.702	-0.707	34.485	27.724	32.458	37.086	1.90	35.7
180	-0.622	-0.628	34.505	27.737	32.468	37.093	1.96	34.5
190	-0.572	-0.578	34.516	27.744	32.473	37.097	1.42	33.9
200	-0.527	-0.533	34.528	27.751	32.480	37.102	1.52	33.2
210	-0.453	-0.460	34.546	27.762	32.489	37.108	1.83	32.2
220	-0.388	-0.395	34.557	27.768	32.492	37.110	1.30	31.6
230	-0.335	-0.343	34.566	27.773	32.495	37.112	1.17	31.2
240	-0.308	-0.316	34.572	27.777	32.498	37.113	1.03	30.9
250	-0.256	-0.265	34.583	27.783	32.503	37.117	1.37	30.3
260	-0.240	-0.249	34.588	27.786	32.506	37.119	0.99	30.0
270	-0.210	-0.220	34.592	27.788	32.507	37.119	0.69	29.8
280	-0.184	-0.194	34.599	27.793	32.510	37.121	1.14	29.4
290	-0.148	-0.159	34.606	27.796	32.513	37.123	1.05	29.1
300	-0.126	-0.137	34.612	27.800	32.516	37.126	1.05	28.8
325	-0.079	-0.091	34.622	27.806	32.520	37.128	0.81	28.2
350	-0.047	-0.060	34.630	27.811	32.524	37.131	0.75	27.8
375	-0.024	-0.038	34.638	27.816	32.529	37.135	0.79	27.3
400	-0.011	-0.026	34.642	27.819	32.531	37.137	0.55	27.1
425	-0.007	-0.024	34.645	27.821	32.533	37.139	0.53	26.9
450	-0.015	-0.033	34.649	27.825	32.537	37.143	0.69	26.5
475	-0.022	-0.041	34.651	27.827	32.539	37.146	0.52	26.3
500	-0.024	-0.044	34.652	27.828	32.540	37.147	0.36	26.2
550	-0.049	-0.071	34.657	27.833	32.546	37.154	0.60	25.6
600	-0.053	-0.077	34.656	27.833	32.546	37.154	-0.15	25.6
610	-0.053	-0.078	34.656	27.833	32.546	37.154	0.10	25.6

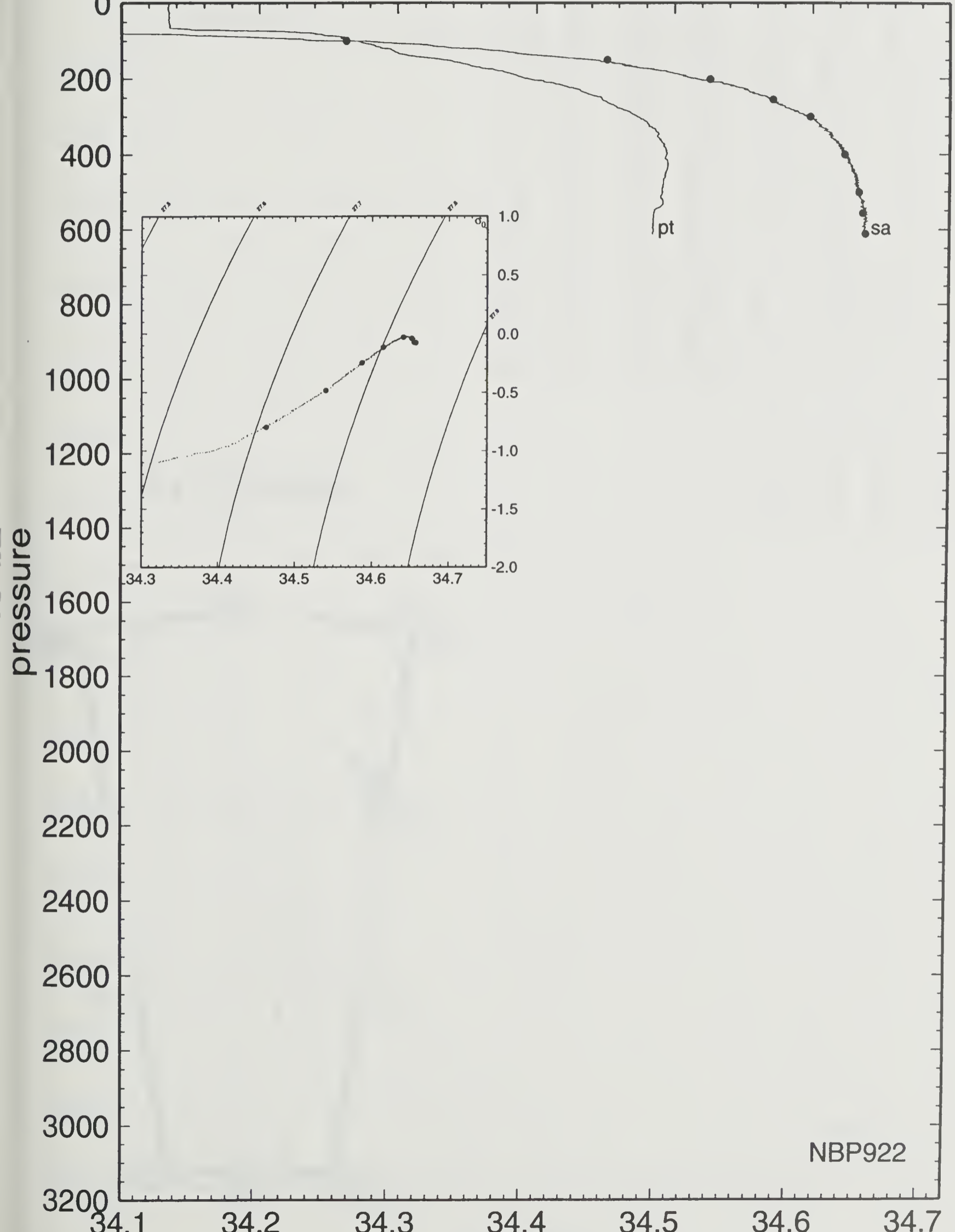
# NBP922 13

PRES	TEMPER	POTEMP	SLINTY	OXYG
14	-1.830	-1.830	33.878	7.699
26	-1.828	-1.828	33.877	7.714
26	-1.828	-1.828	33.877	7.737
51	-1.822	-1.823	33.881	7.638
100	-1.168	-1.171	34.268	6.451
150	-0.796	-0.800	34.463	5.855
150	-0.796	-0.800	34.463	5.841
201	-0.478	-0.485	34.540	5.486
256	-0.240	-0.249	34.587	5.228
301	-0.106	-0.117	34.615	5.109
401	-0.014	-0.030	34.641	5.012
401	-0.014	-0.030	34.641	5.016
501	-0.021	-0.041	34.652	4.999
556	-0.053	-0.075	34.655	5.034
612	-0.052	-0.077	34.657	5.044



potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

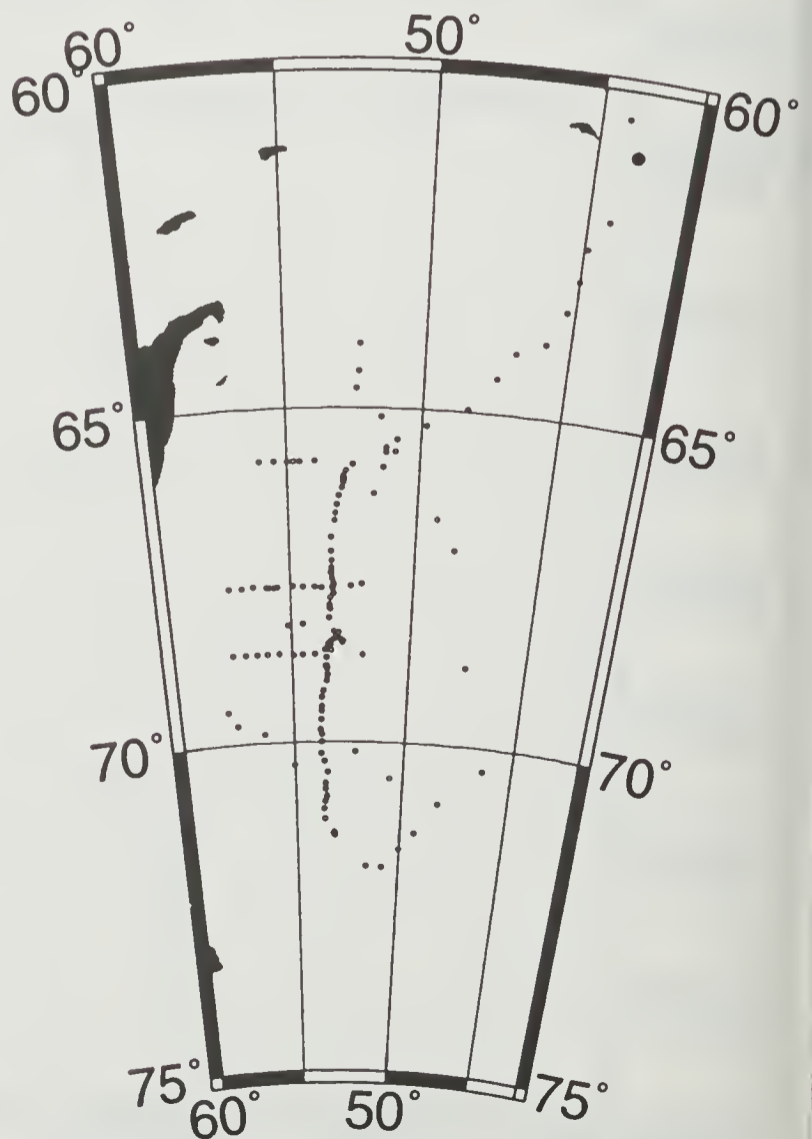


NBP92 -60.9647 -43.7515 92/06/17 169 15:23 NBP922 STA# 14

PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA
0	-1.853	-1.853	33.858	27.254	32.029	36.697	0.00	80.7
10	-1.855	-1.855	33.858	27.254	32.029	36.697	0.13	80.7
20	-1.855	-1.855	33.858	27.254	32.029	36.697	0.04	80.6
30	-1.854	-1.855	33.858	27.254	32.029	36.697	-0.08	80.5
40	-1.854	-1.855	33.859	27.255	32.030	36.698	0.51	80.4
50	-1.854	-1.855	33.860	27.255	32.031	36.699	0.51	80.2
60	-1.839	-1.840	33.868	27.262	32.036	36.704	1.38	79.6
70	-1.812	-1.813	33.877	27.268	32.042	36.709	1.44	78.9
80	-1.705	-1.707	33.904	27.287	32.058	36.721	2.43	77.0
90	-1.433	-1.435	34.031	27.383	32.143	36.797	5.44	68.0
100	-1.230	-1.232	34.161	27.482	32.235	36.881	5.54	58.7
110	-1.086	-1.089	34.287	27.579	32.326	36.967	5.50	49.5
120	-0.953	-0.956	34.386	27.654	32.397	37.032	4.83	42.4
130	-0.897	-0.901	34.418	27.678	32.418	37.052	2.71	40.1
140	-0.852	-0.856	34.435	27.690	32.429	37.061	1.92	39.0
150	-0.760	-0.764	34.458	27.705	32.441	37.070	2.12	37.6
160	-0.751	-0.756	34.461	27.707	32.443	37.072	0.80	37.4
170	-0.743	-0.748	34.465	27.710	32.445	37.074	0.95	37.1
180	-0.683	-0.689	34.482	27.721	32.454	37.081	1.85	36.0
190	-0.627	-0.633	34.503	27.735	32.467	37.092	2.11	34.7
200	-0.503	-0.509	34.530	27.752	32.479	37.101	2.21	33.2
210	-0.429	-0.436	34.547	27.762	32.487	37.106	1.76	32.2
220	-0.364	-0.371	34.561	27.770	32.494	37.111	1.57	31.5
230	-0.333	-0.341	34.567	27.774	32.496	37.112	1.00	31.1
240	-0.321	-0.329	34.571	27.777	32.498	37.114	0.90	30.9
250	-0.285	-0.294	34.577	27.780	32.500	37.115	0.94	30.6
260	-0.233	-0.242	34.590	27.788	32.507	37.120	1.54	29.9
270	-0.195	-0.205	34.597	27.791	32.509	37.121	1.04	29.5
280	-0.192	-0.202	34.597	27.791	32.509	37.121	-0.22	29.5
290	-0.192	-0.202	34.597	27.791	32.509	37.121	0.08	29.5
300	-0.191	-0.202	34.598	27.792	32.510	37.122	0.49	29.5
310	-0.191	-0.202	34.599	27.793	32.511	37.122	0.51	29.4

PRES	TEMPER	POTEMP	SLINTY	OXYG
9	-1.852	-1.852	33.859	7.789
28	-1.853	-1.854	33.858	7.774
61	-1.831	-1.832	33.875	7.707
100	-1.194	-1.197	34.216	6.672
150	-0.786	-0.790	34.459	5.736
201	-0.583	-0.589	34.529	5.380
250	-0.291	-0.300	34.584	5.035
313	-0.190	-0.201	34.596	4.997

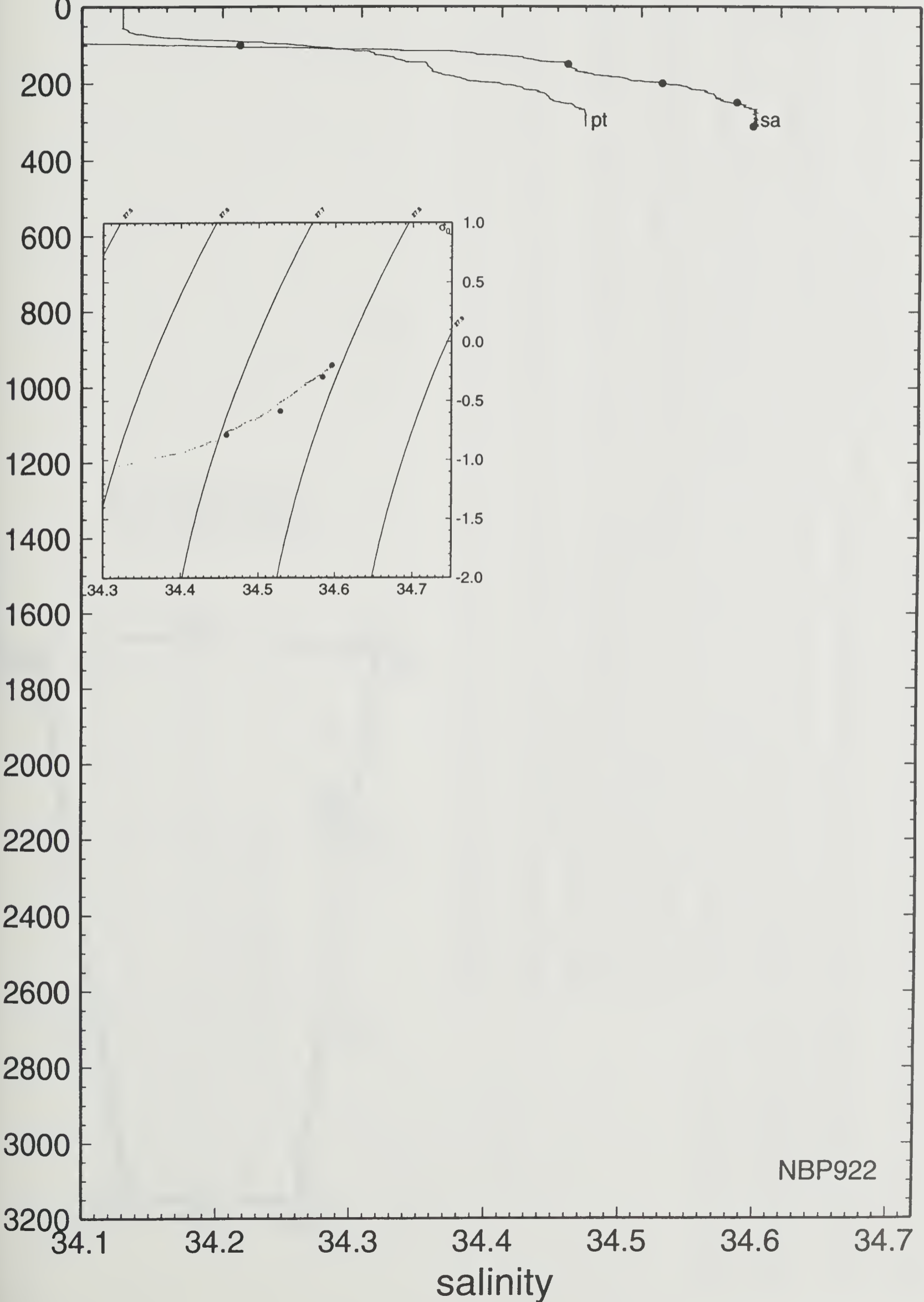
# NBP922 14





### potential temperature

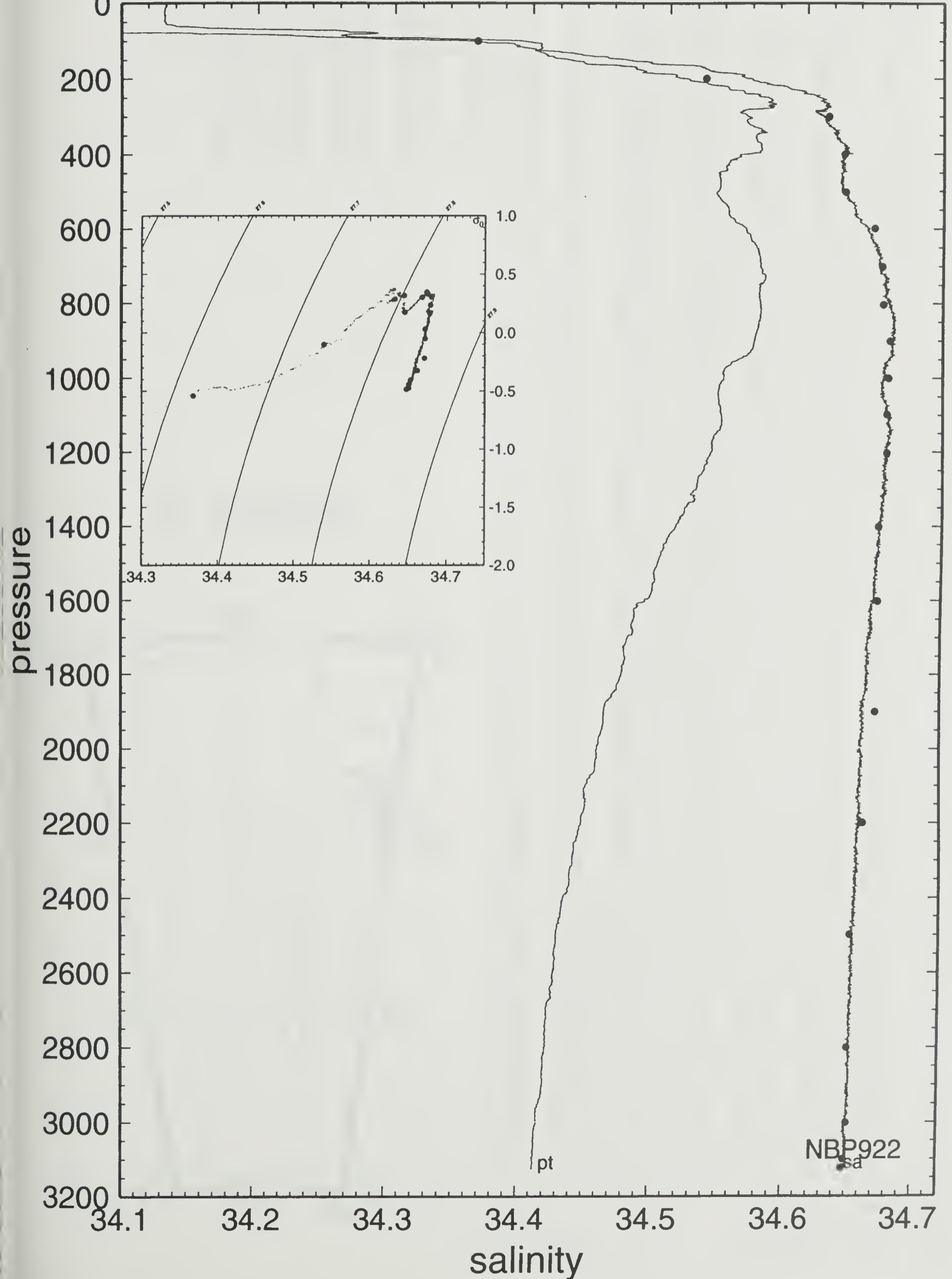
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0





### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0





16

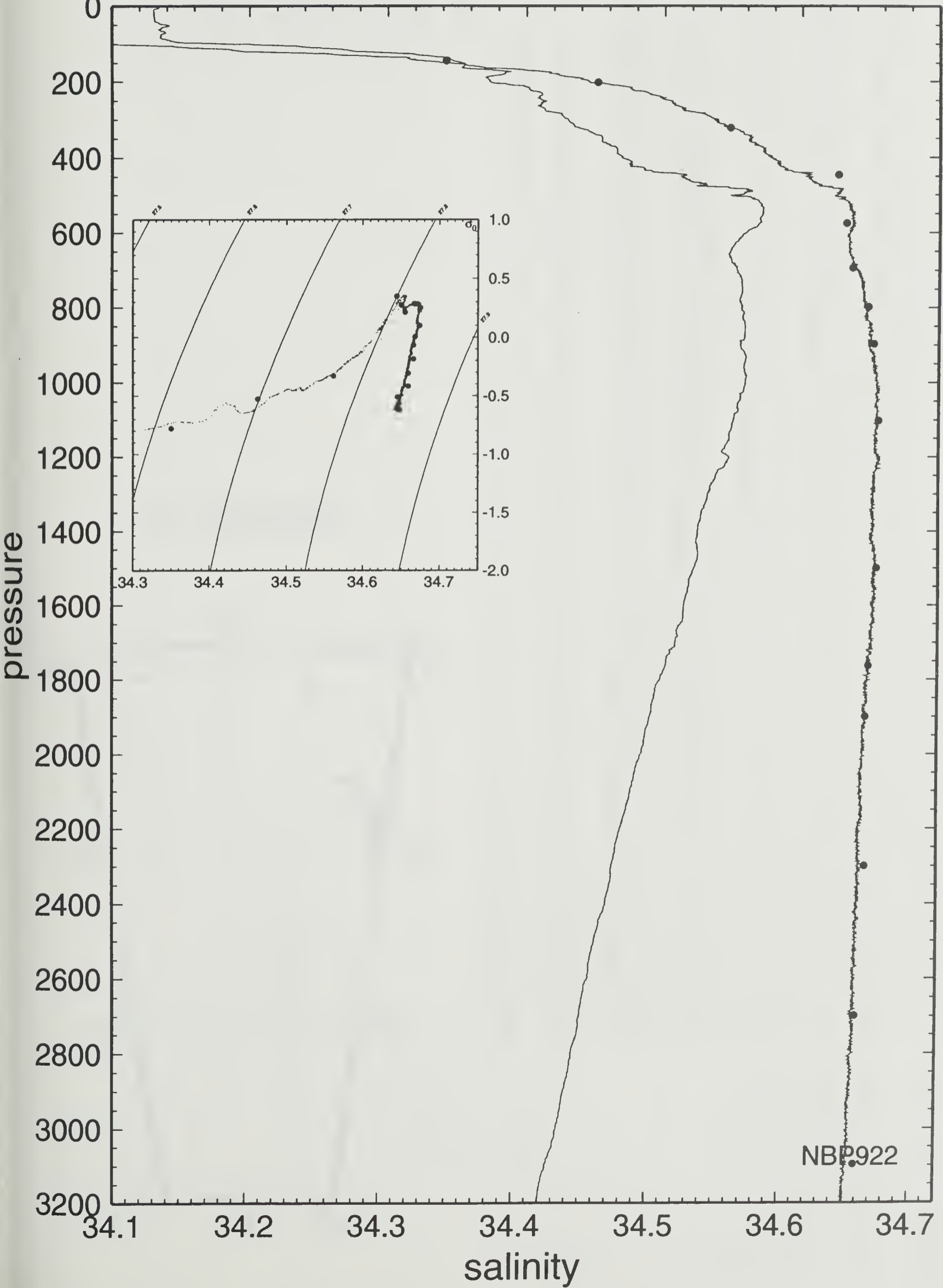
92/06/18 05:49

60 0.42 S 45 0.65 W

NBP

# potential temperature

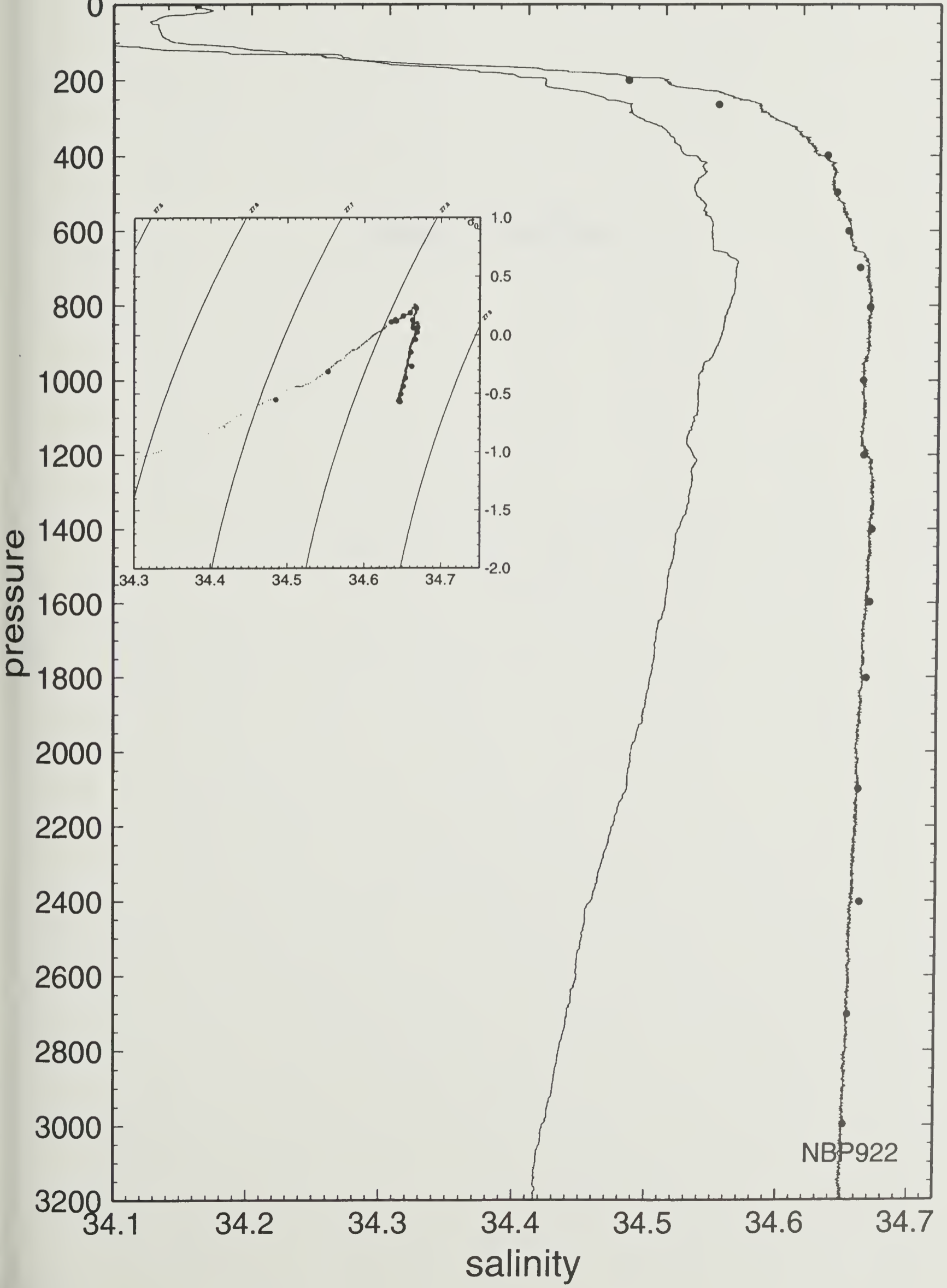
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0





### potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



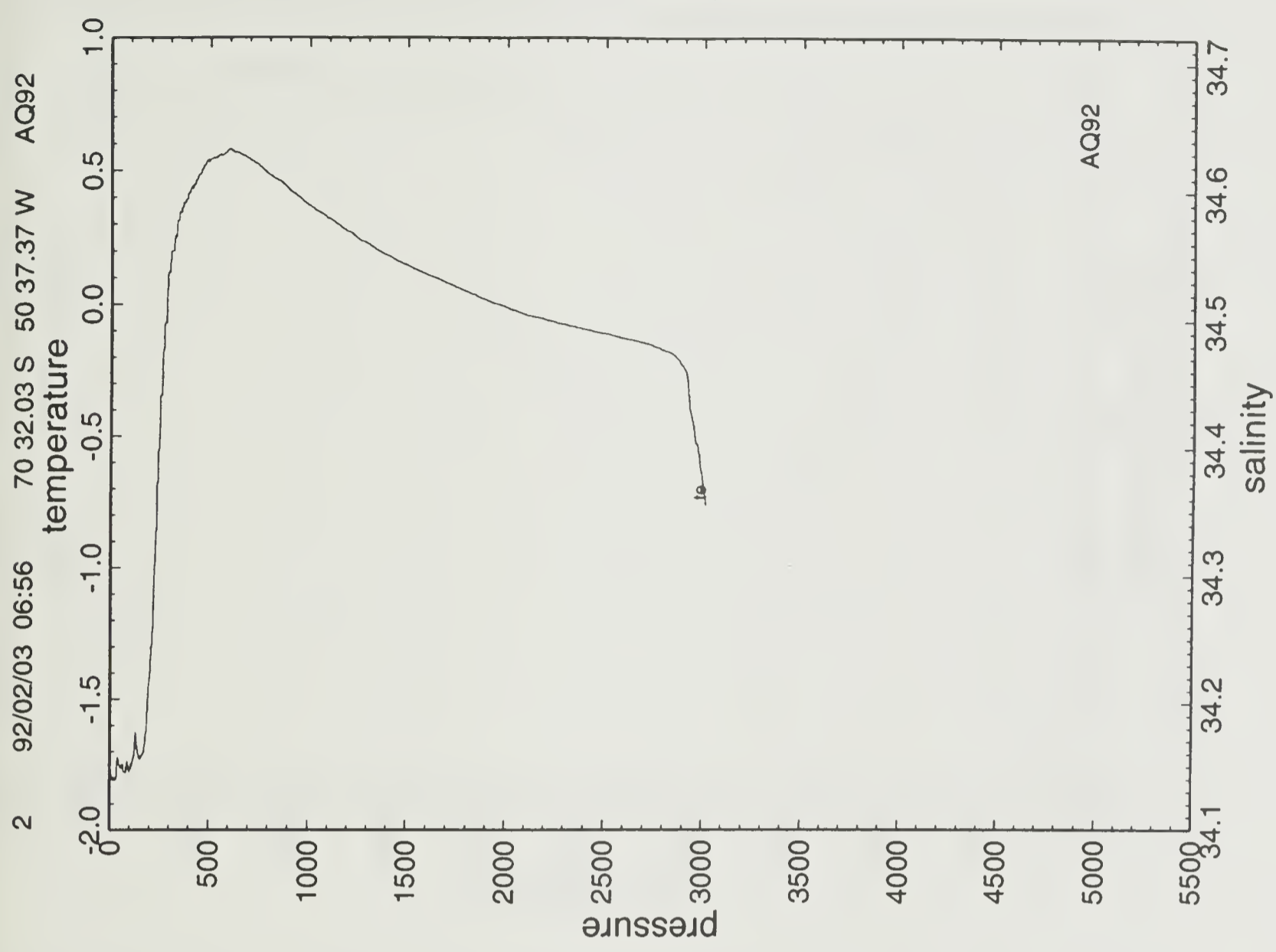
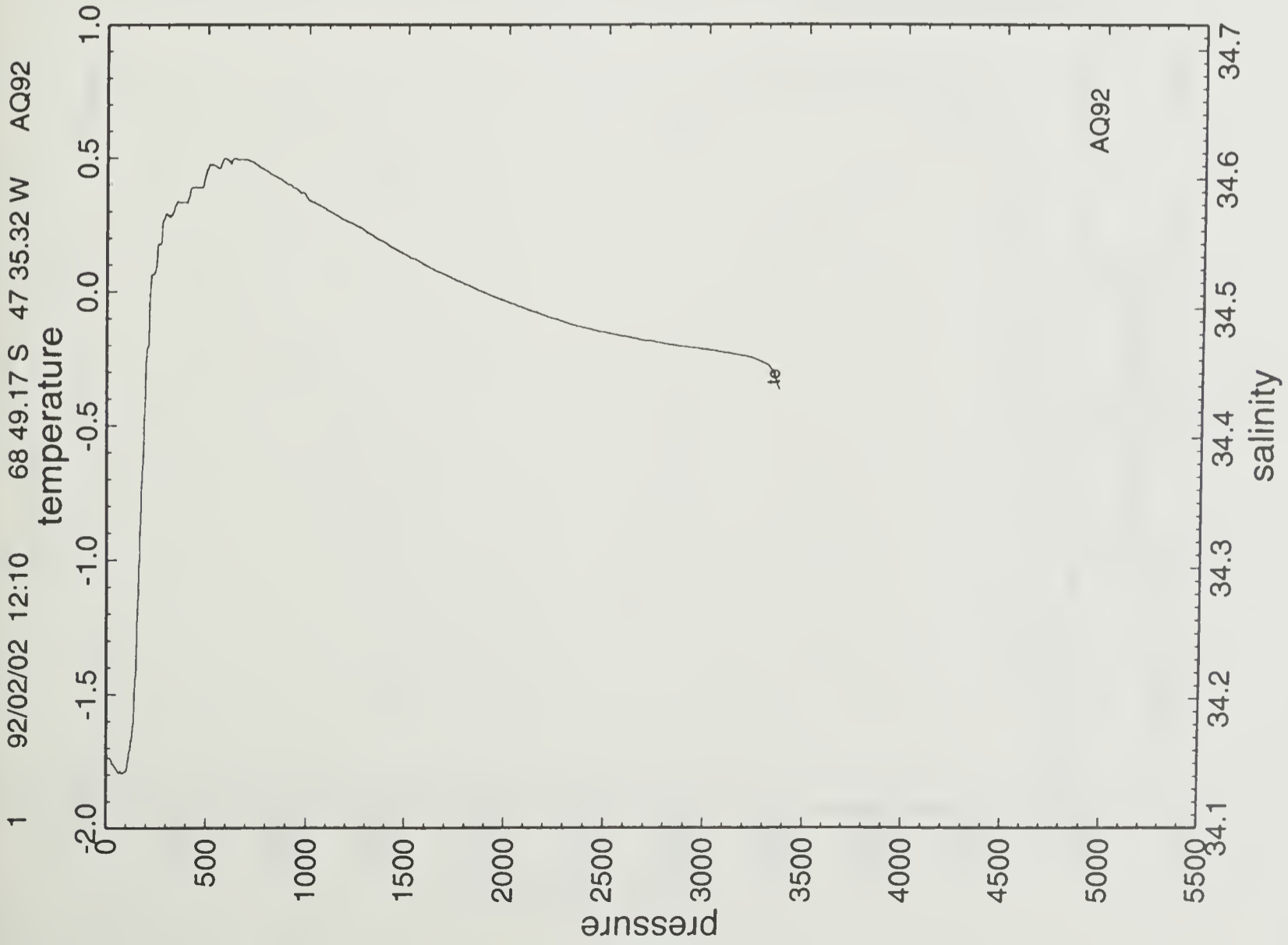
NBP922

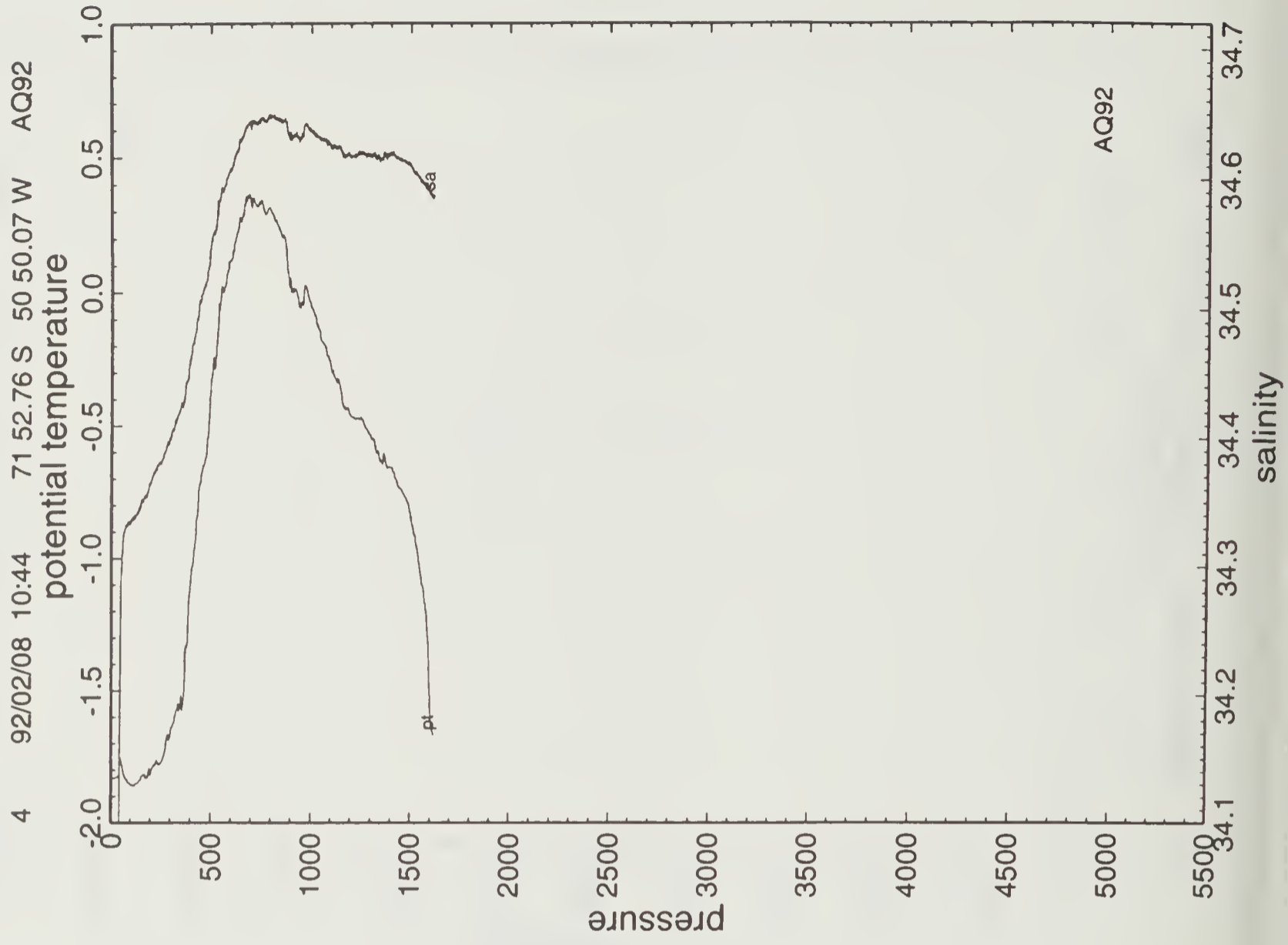
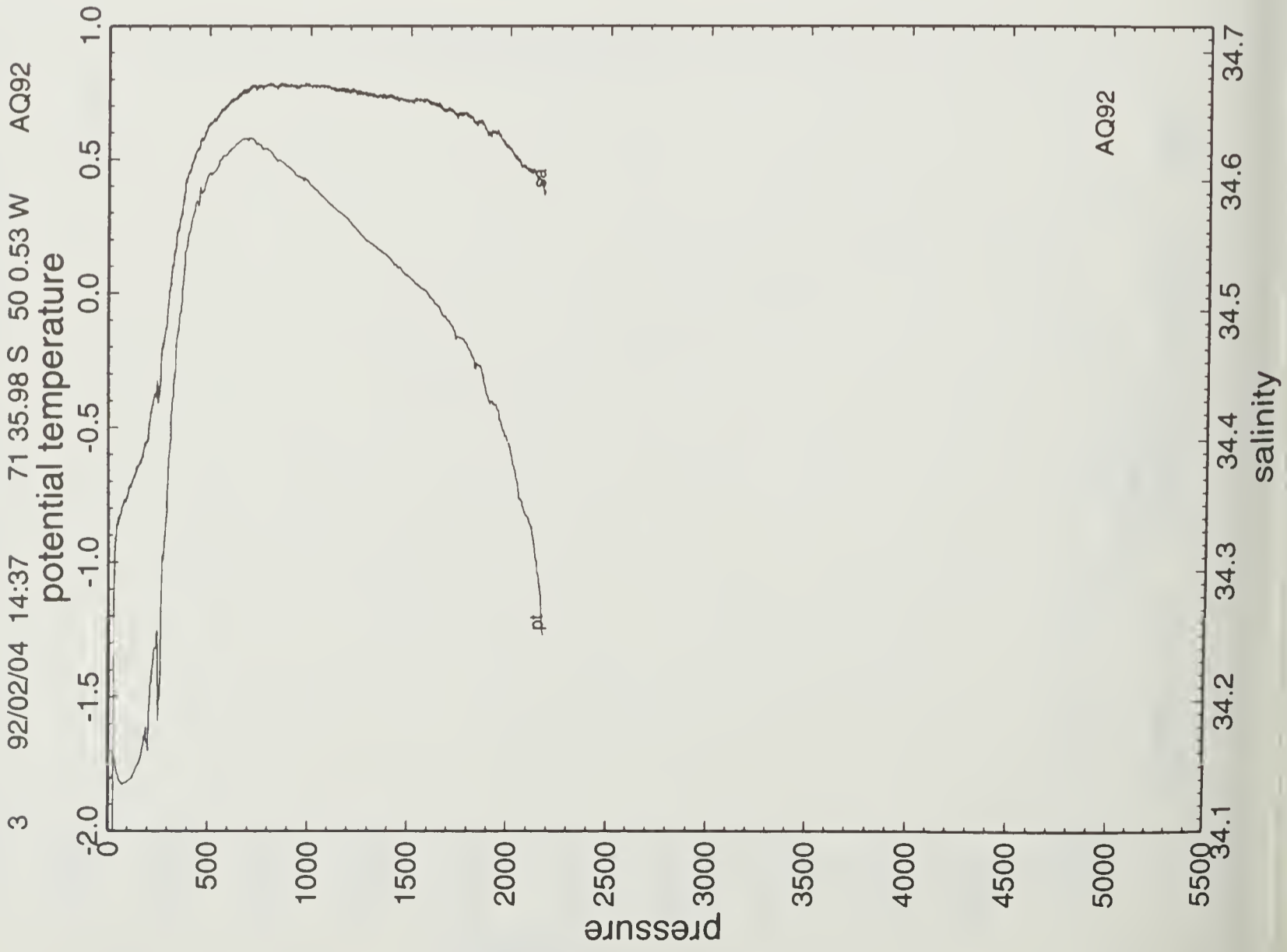




# Deep Profiles



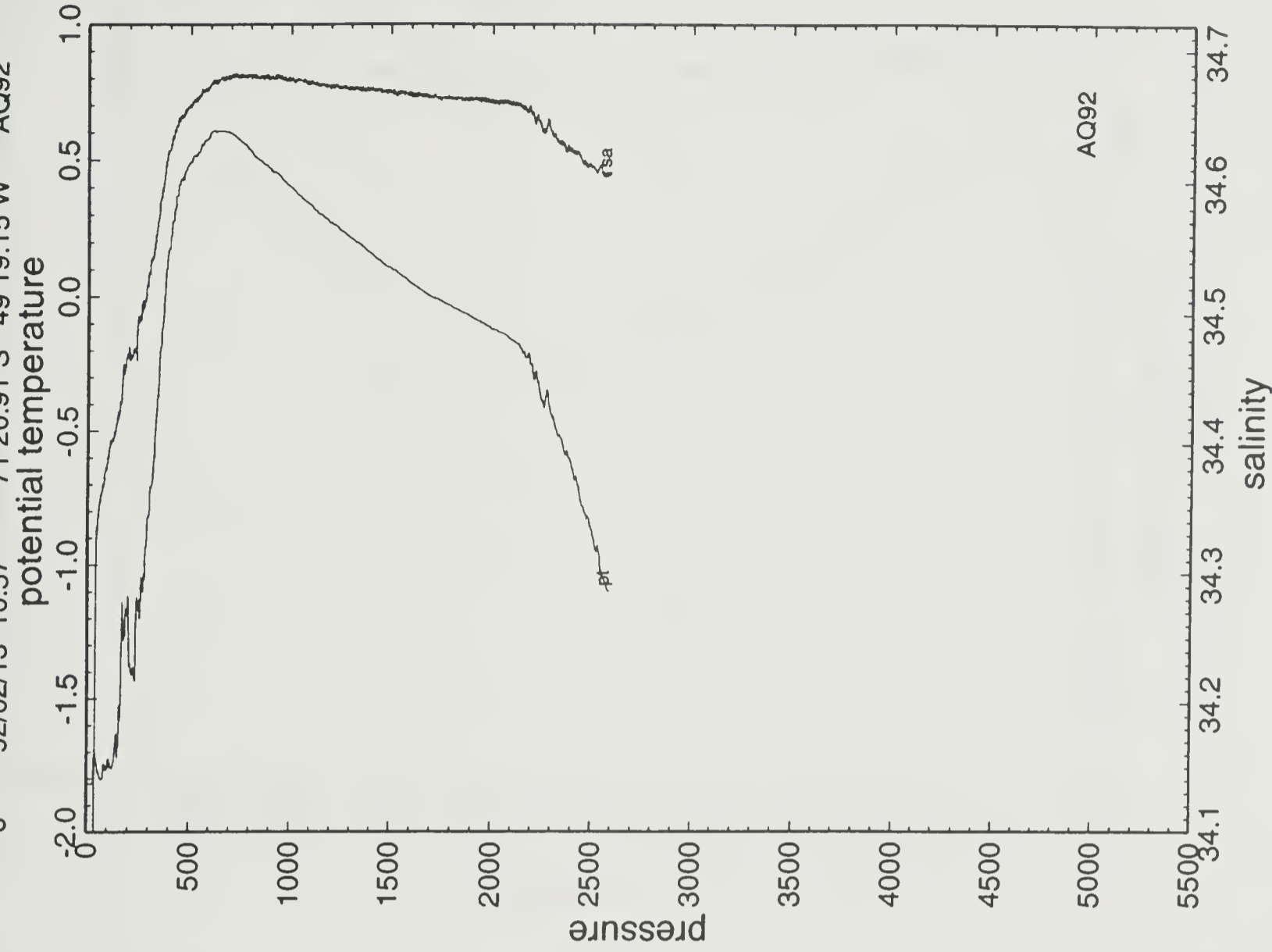


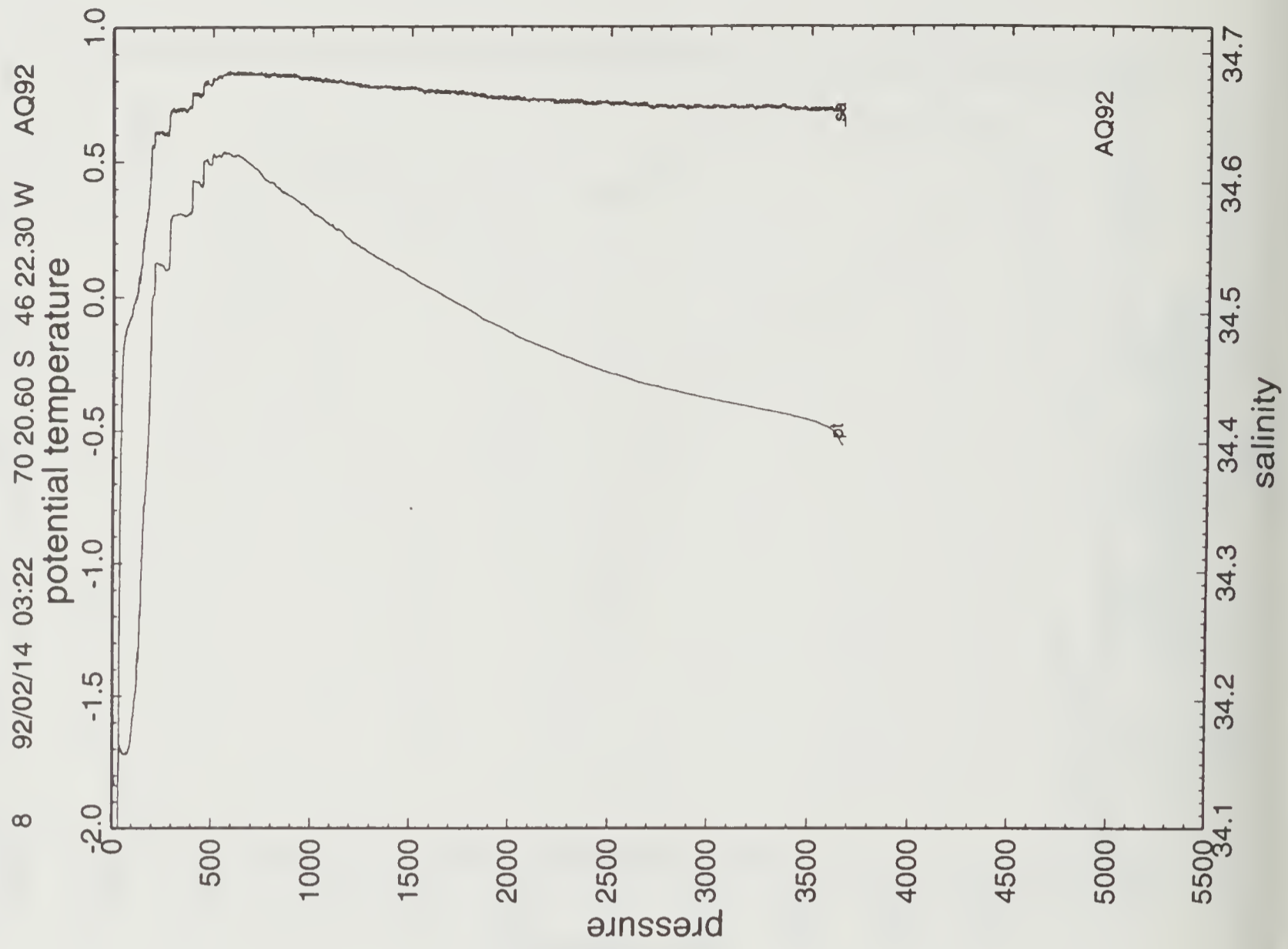
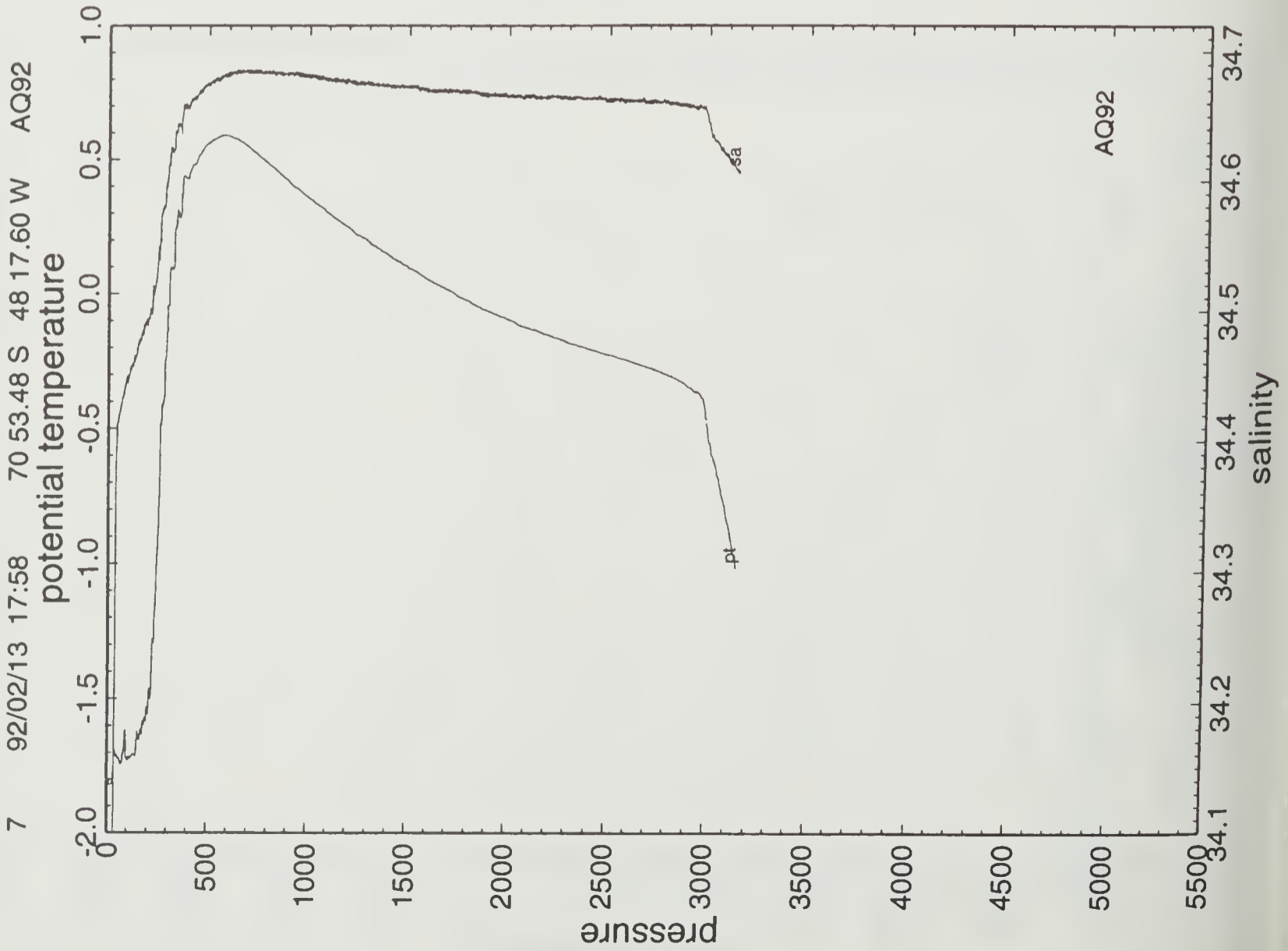


5 92/02/10 11:19 71 52.03 S 51 34.18 W AQ92



6 92/02/13 10:57 71 20.91 S 49 19.15 W AQ92



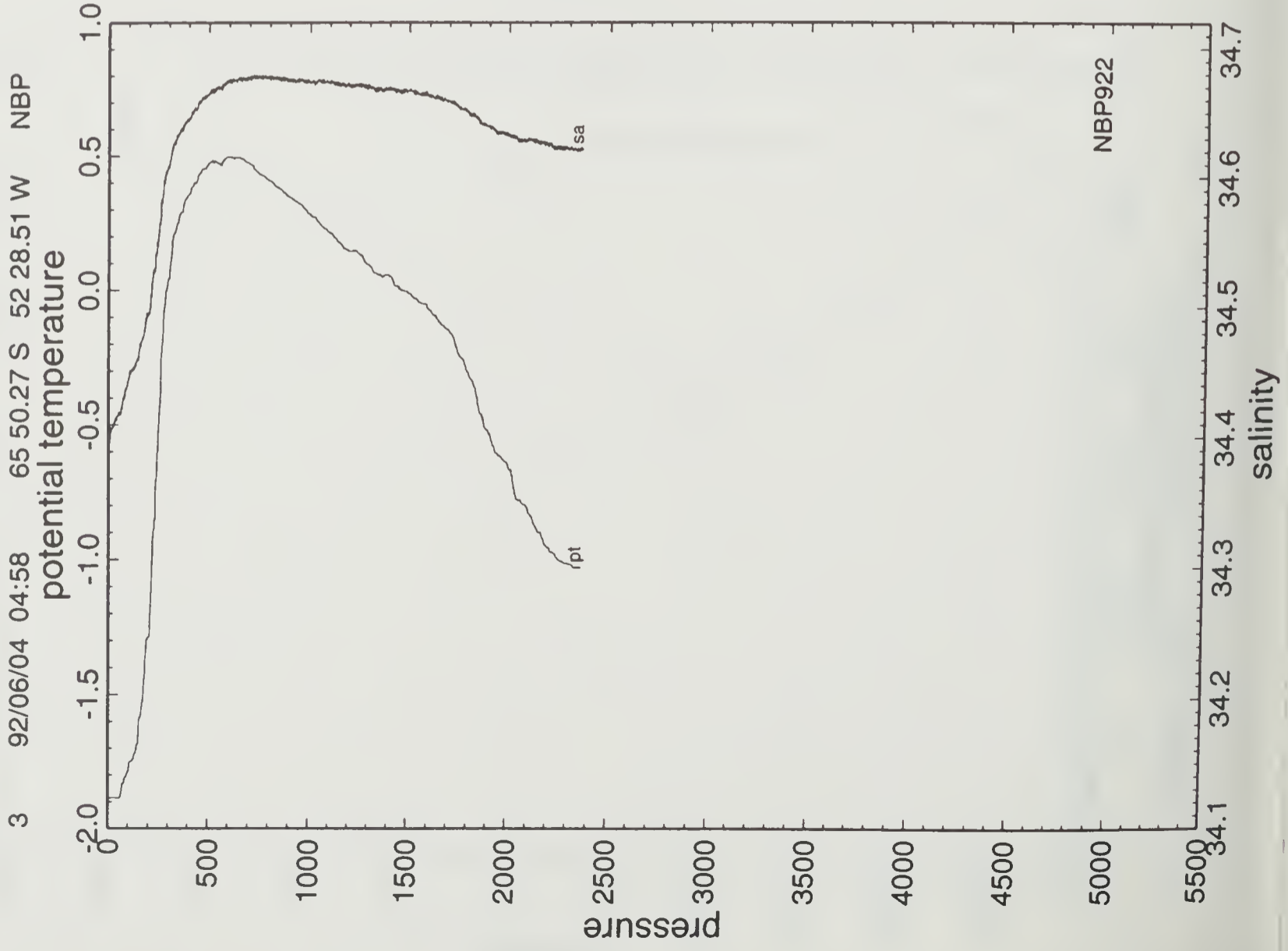


1 92/05/30 13:33 65 38.03 S 50 53.69 W NBP



2 92/05/31 22:38 65 39.26 S 51 15.95 W NBP







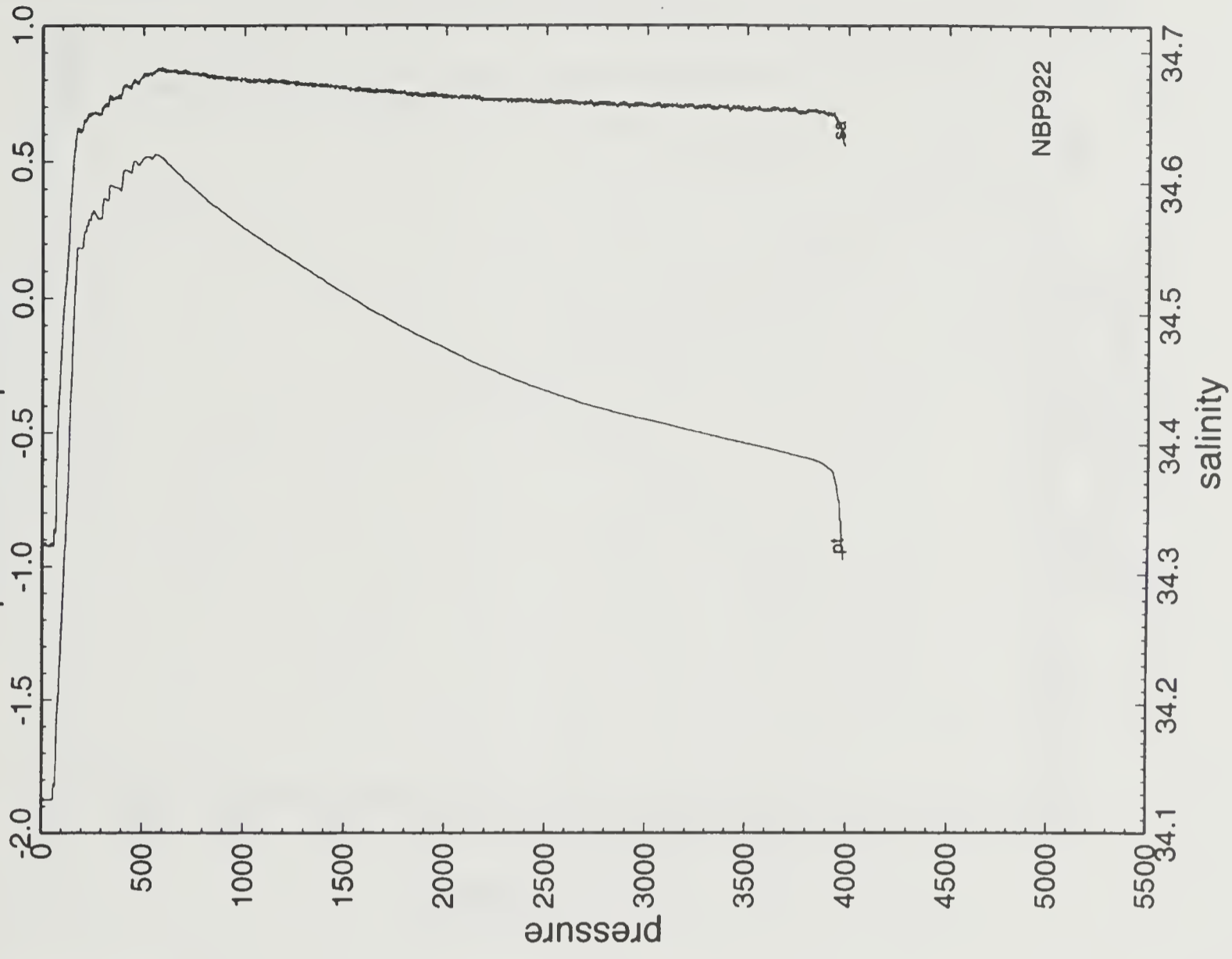
5 92/06/12 03:29 65 14.80 S 49 48.79 W NBP

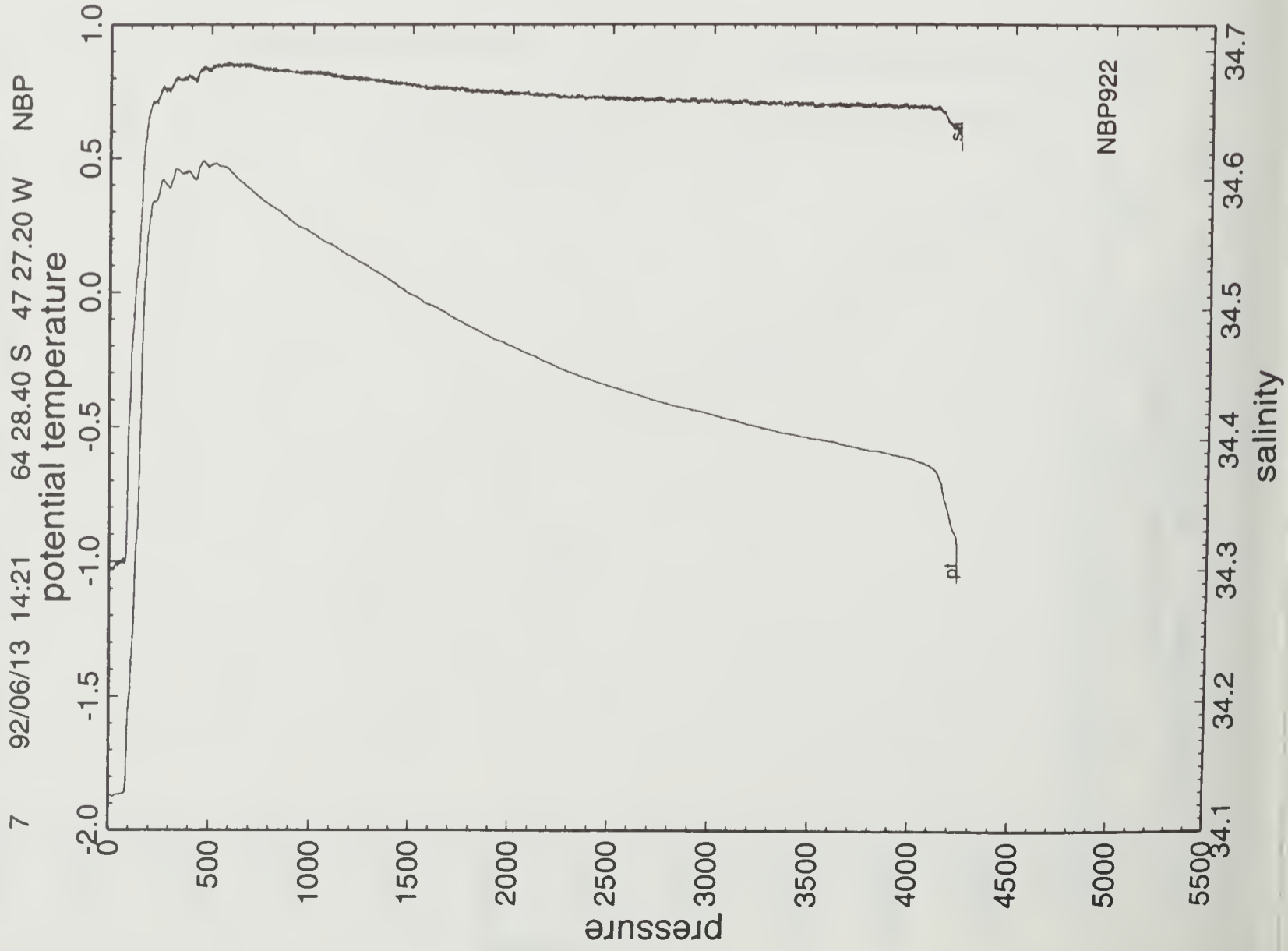
potential temperature



6 92/06/12 22:32 64 58.01 S 48 22.95 W NBP

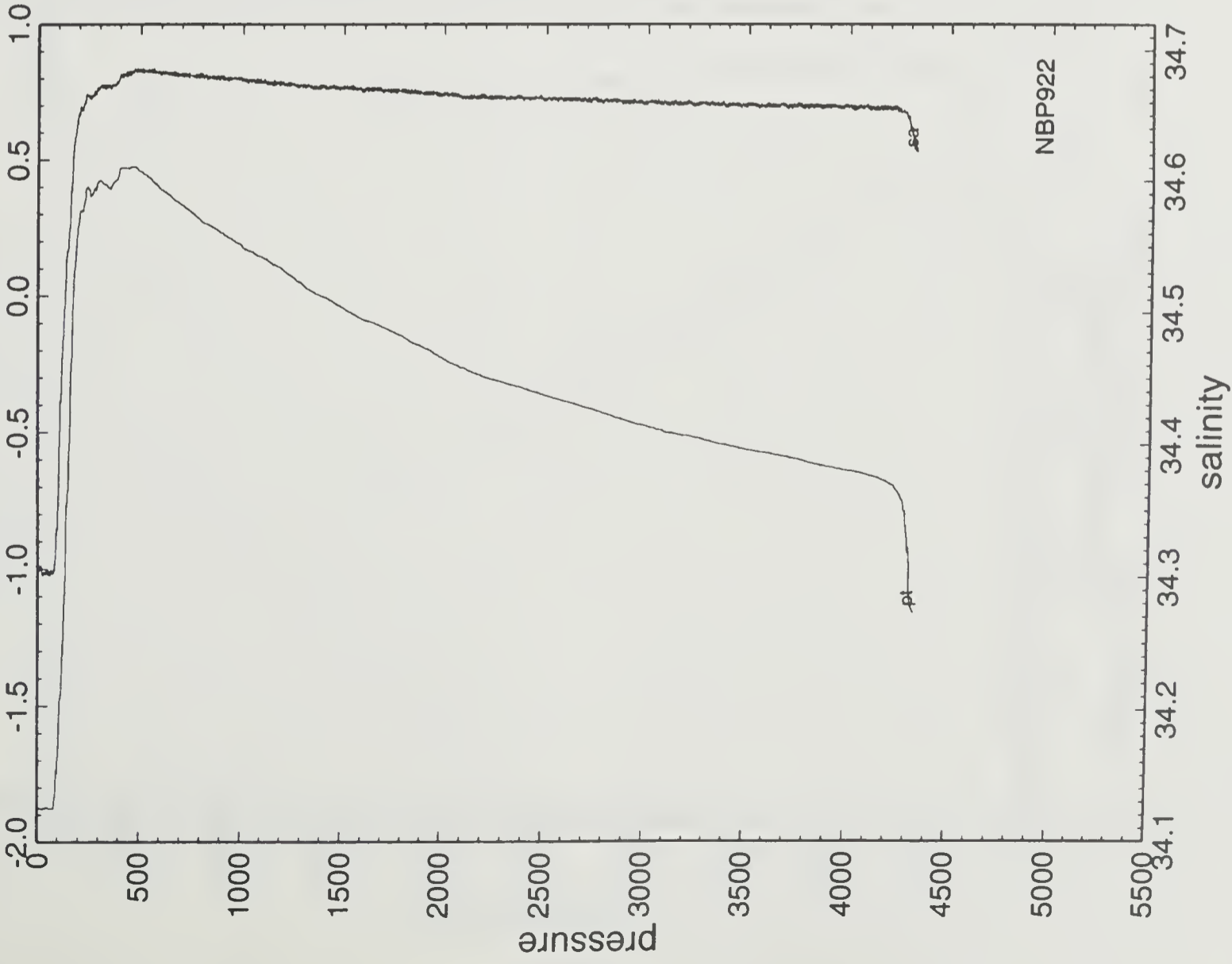
potential temperature





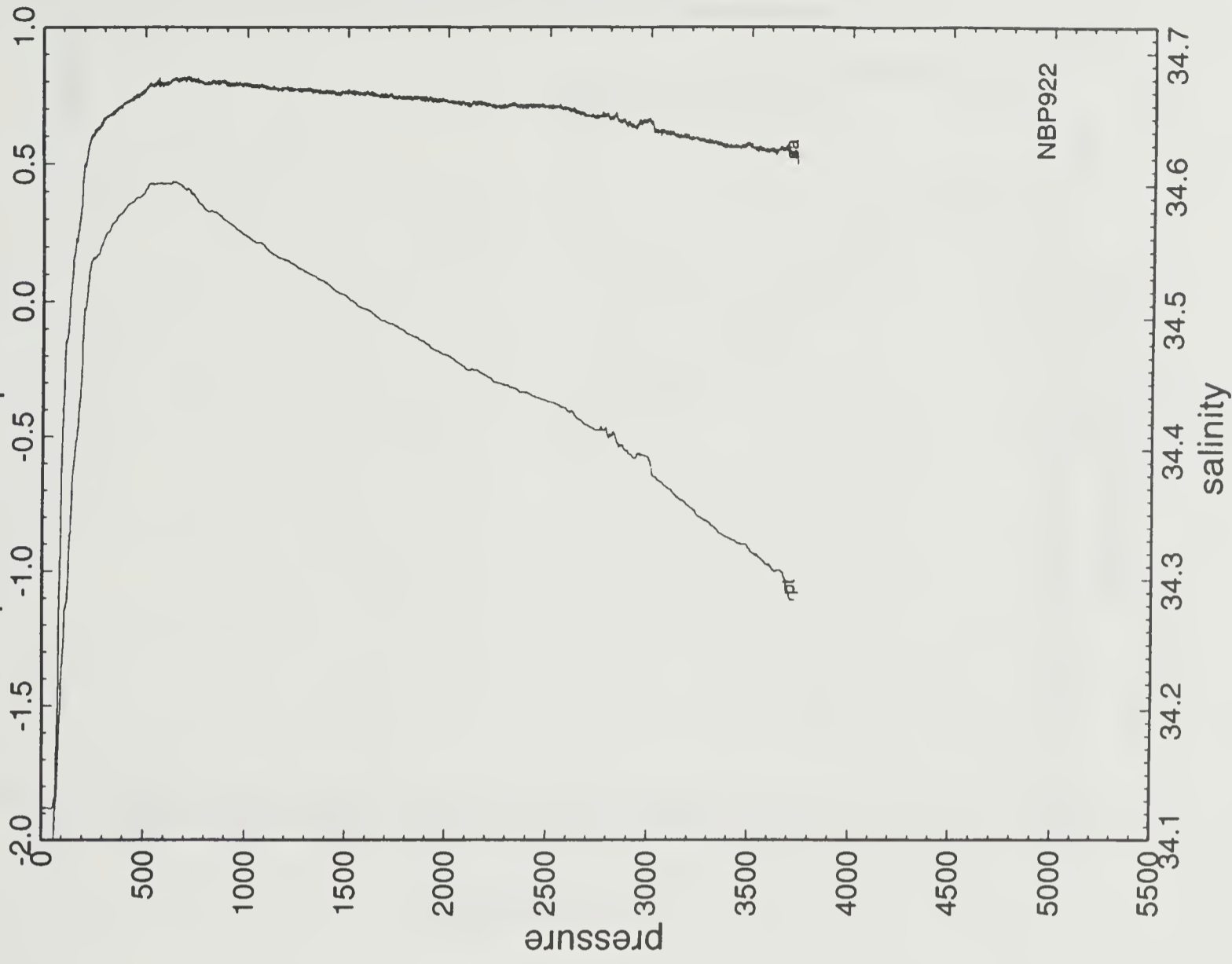
9 92/06/14 16:28 63 53.47 S 45 50.87 W NBP

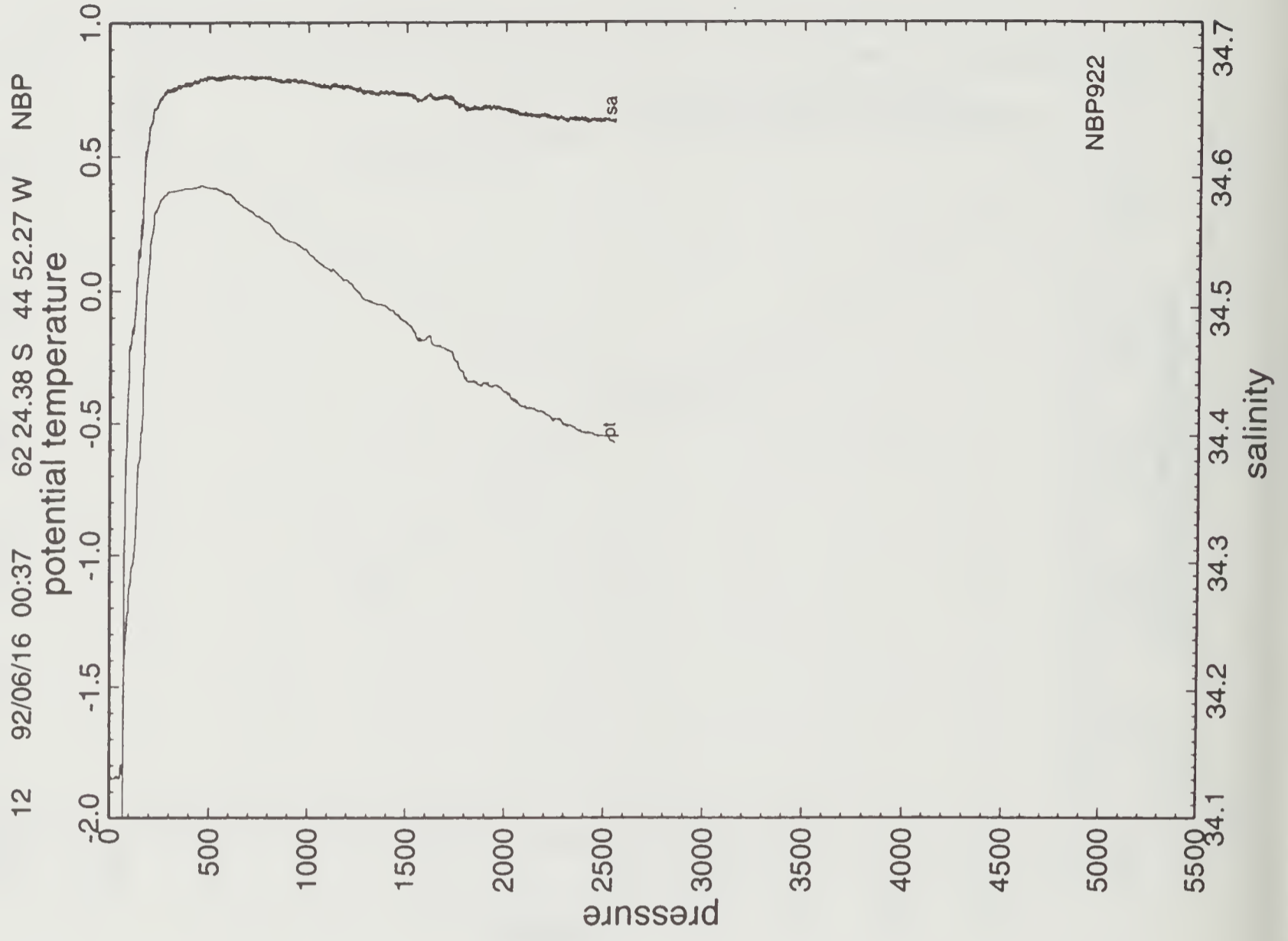
potential temperature



10 92/06/15 02:12 63 23.09 S 45 15.86 W NBP

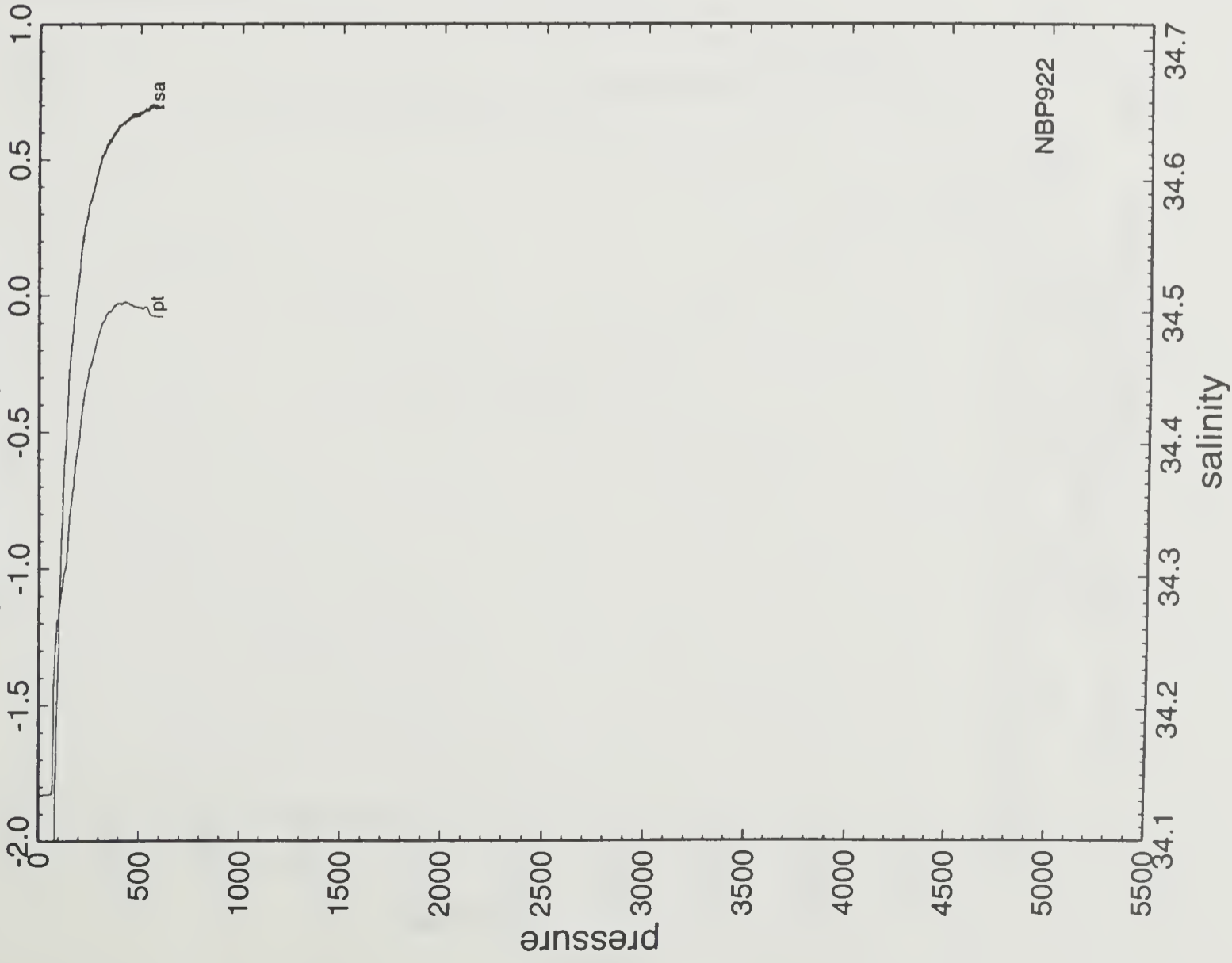
potential temperature





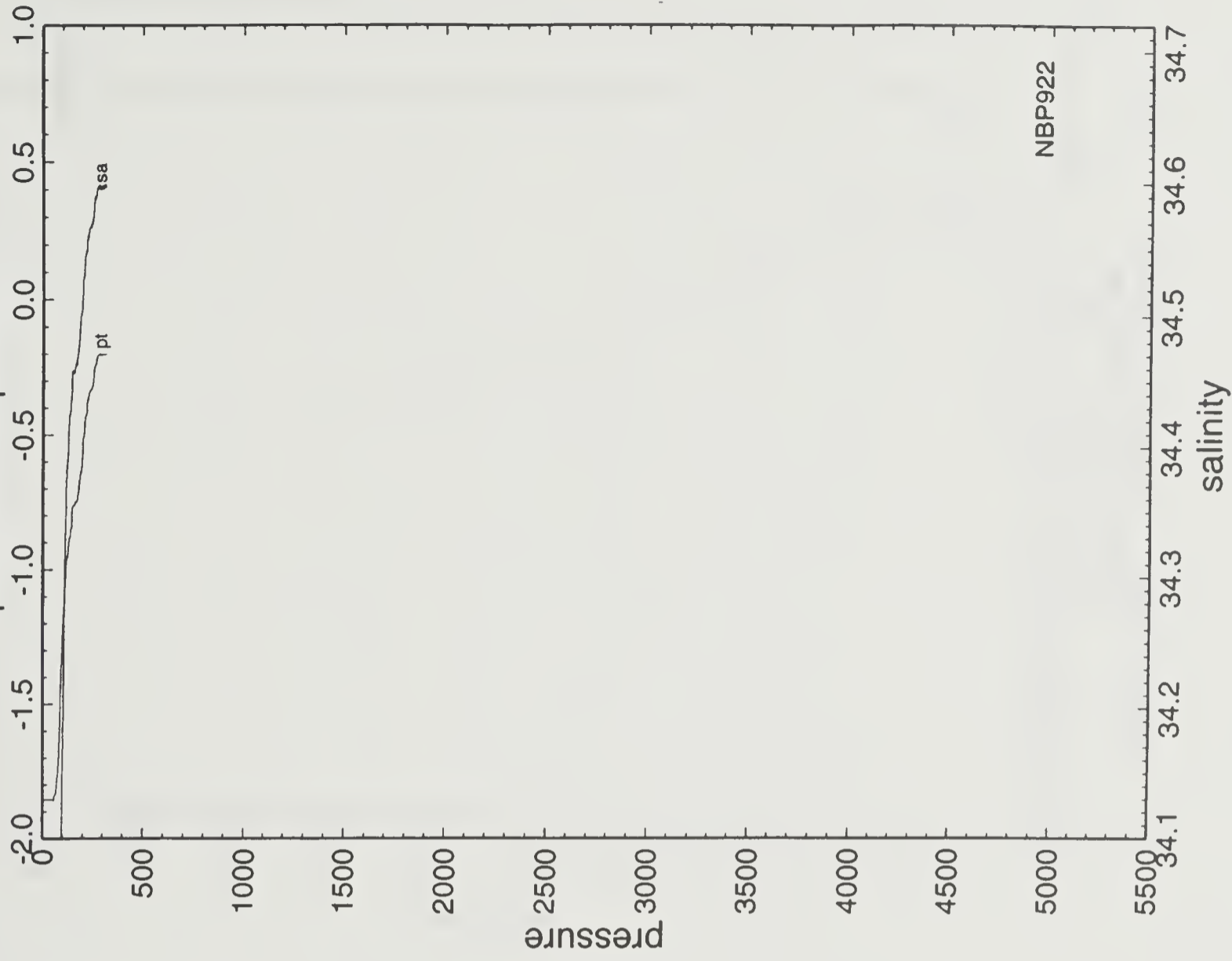
13 92/06/16 21:31 61 58.33 S 44 18.56 W NBP

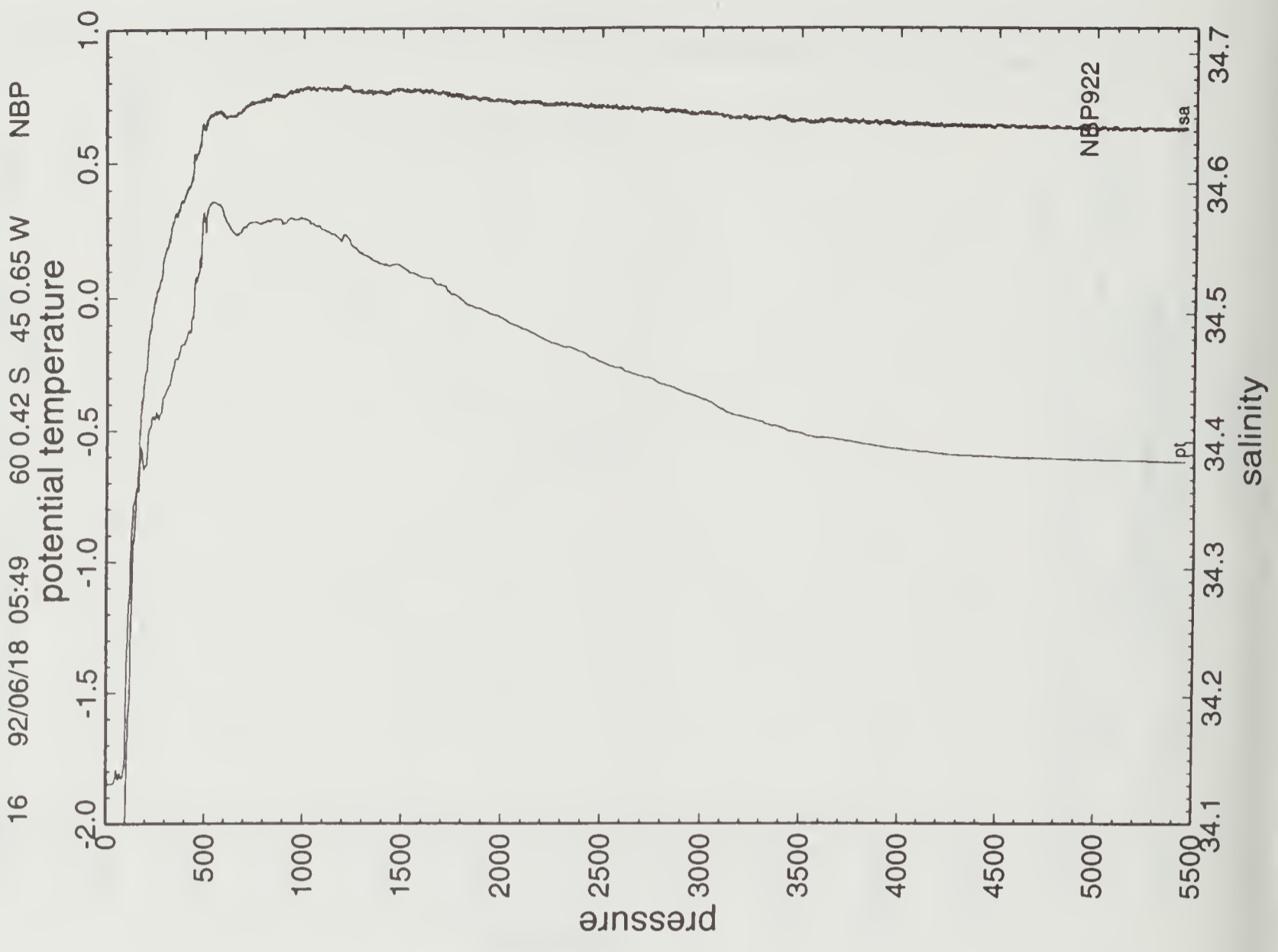
potential temperature



14 92/06/17 15:23 60 57.88 S 43 45.09 W NBP

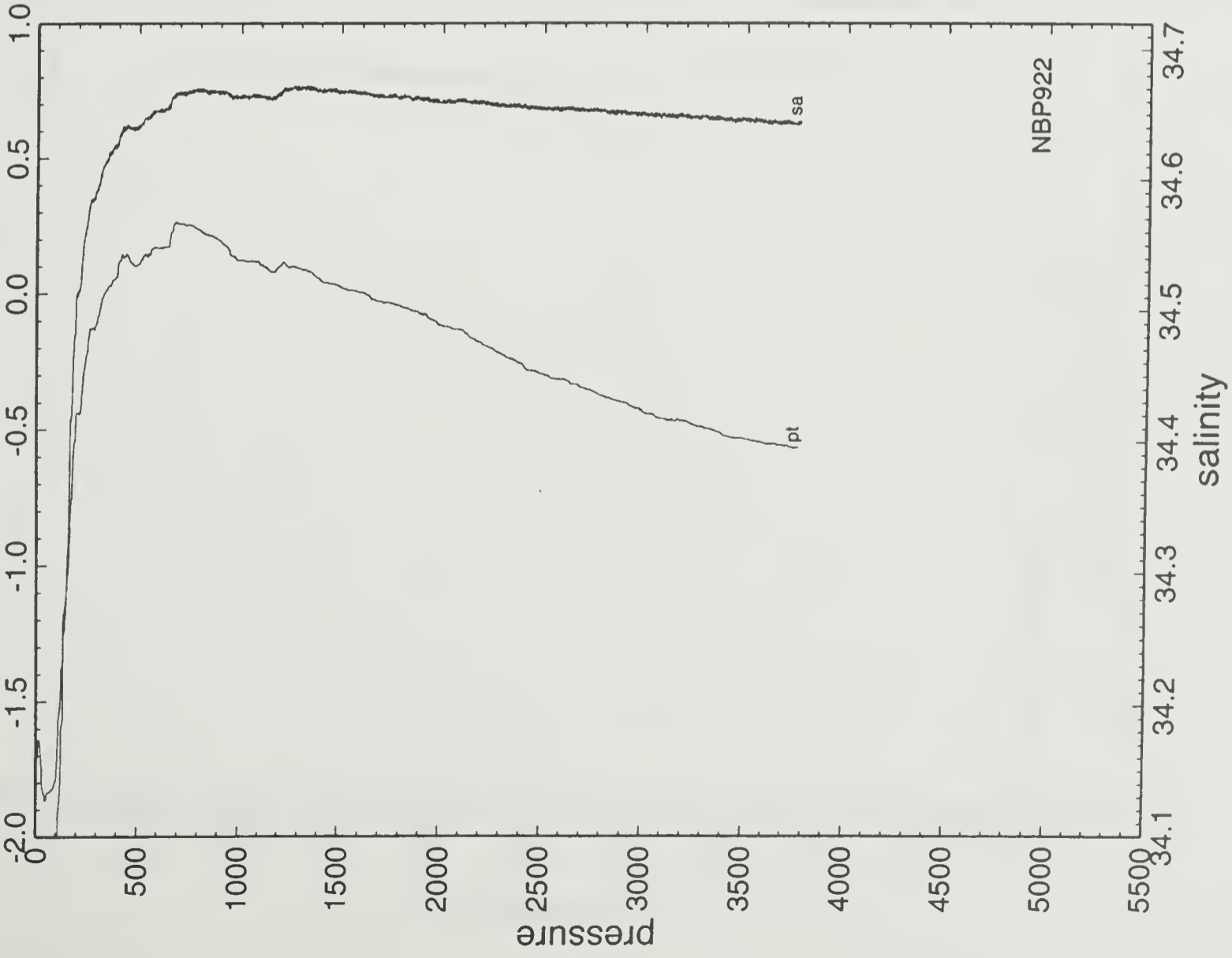
potential temperature

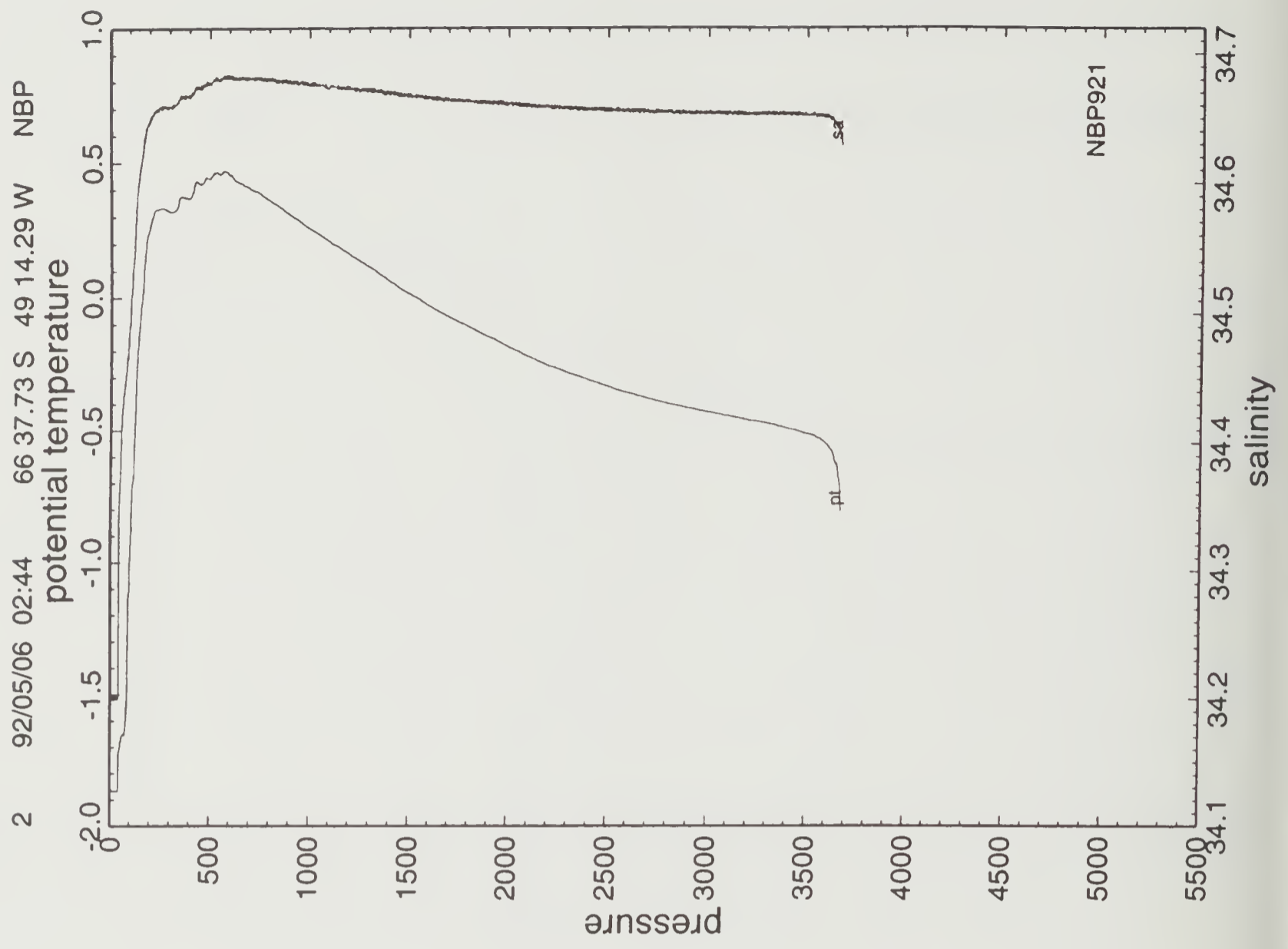
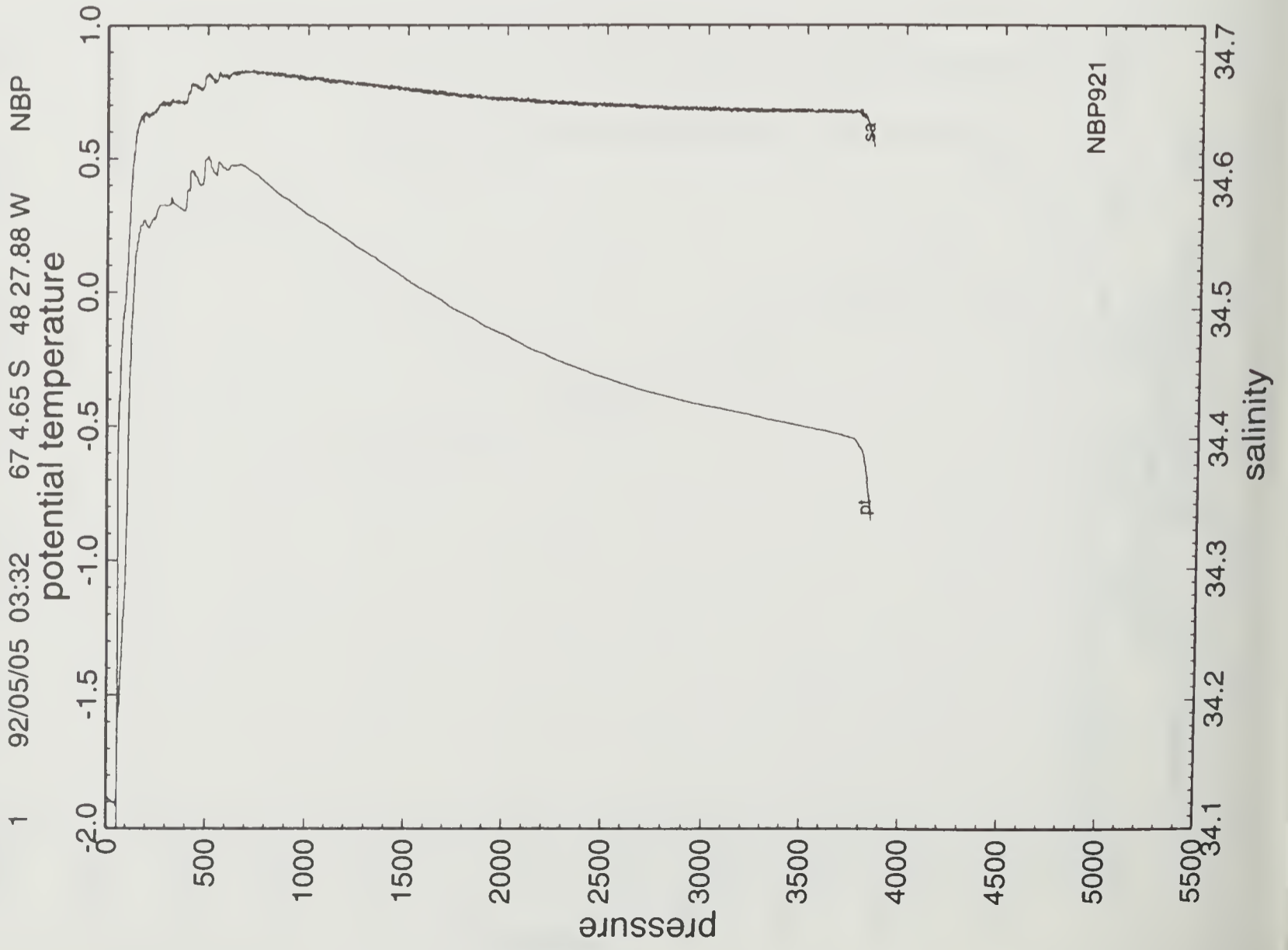




17 92/06/18 13:01 59 47.65 S 45 55.90 W NBP

potential temperature

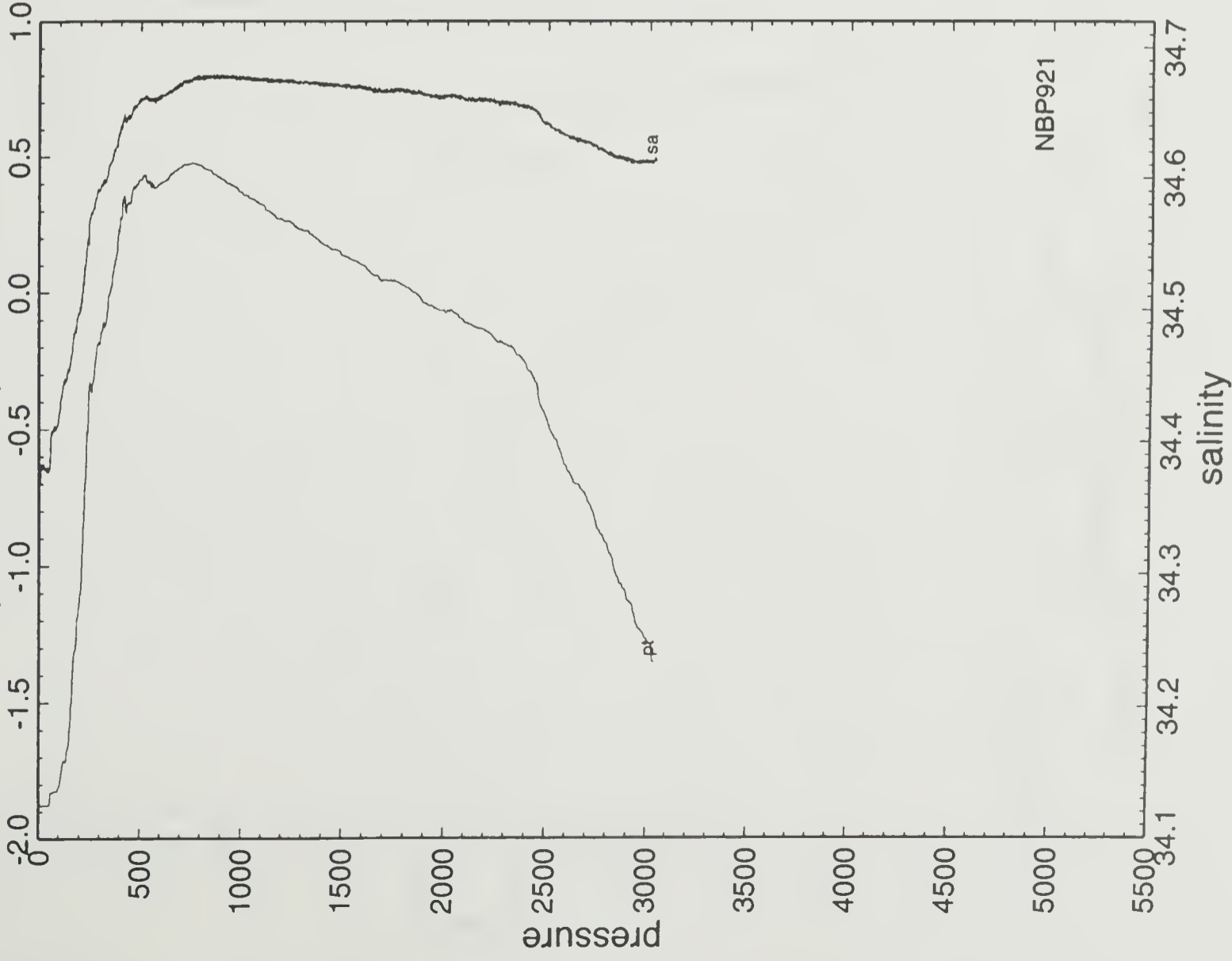






3 92/05/07 12:46 65 52.57 S 51 20.59 W NBP

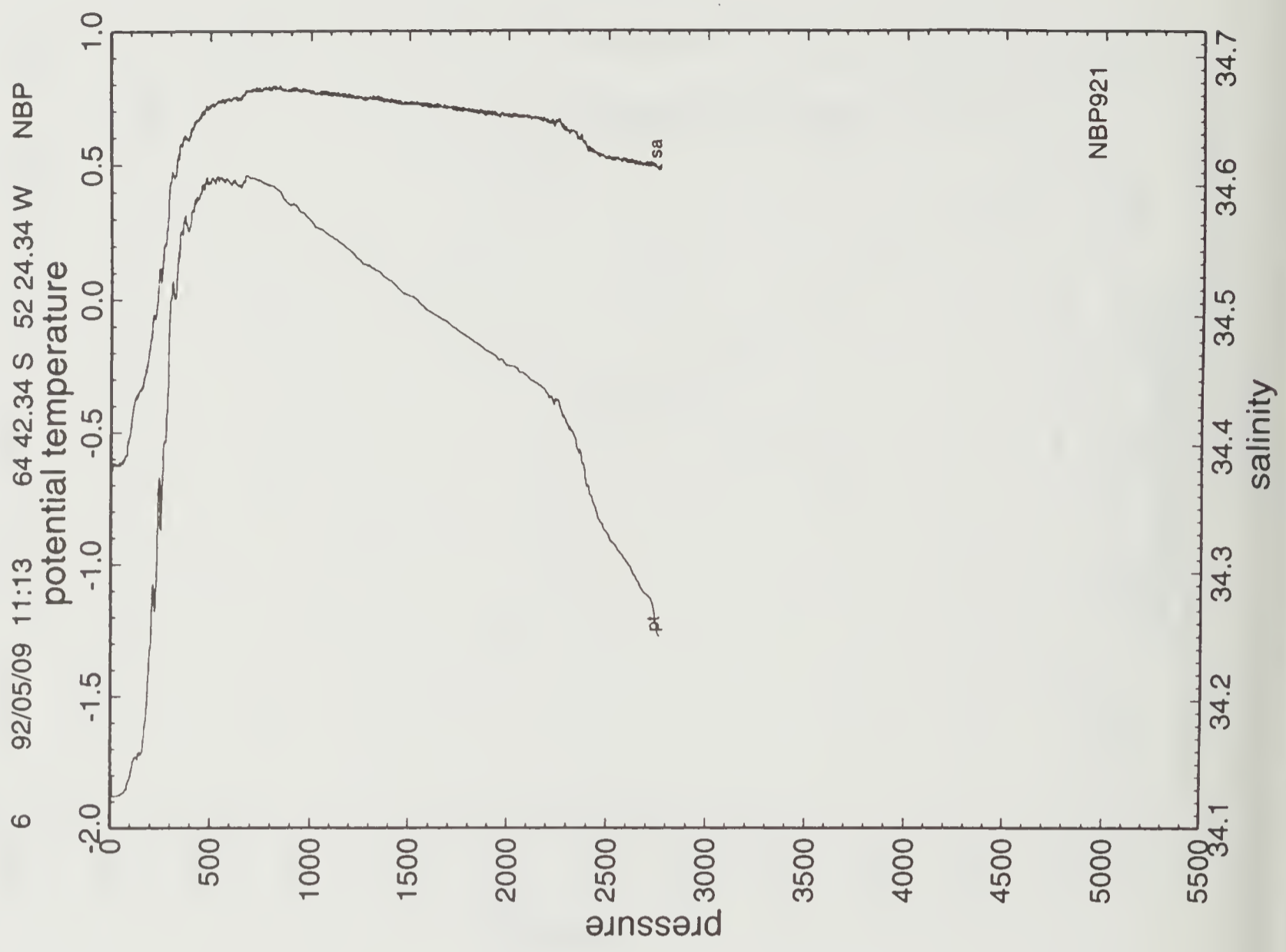
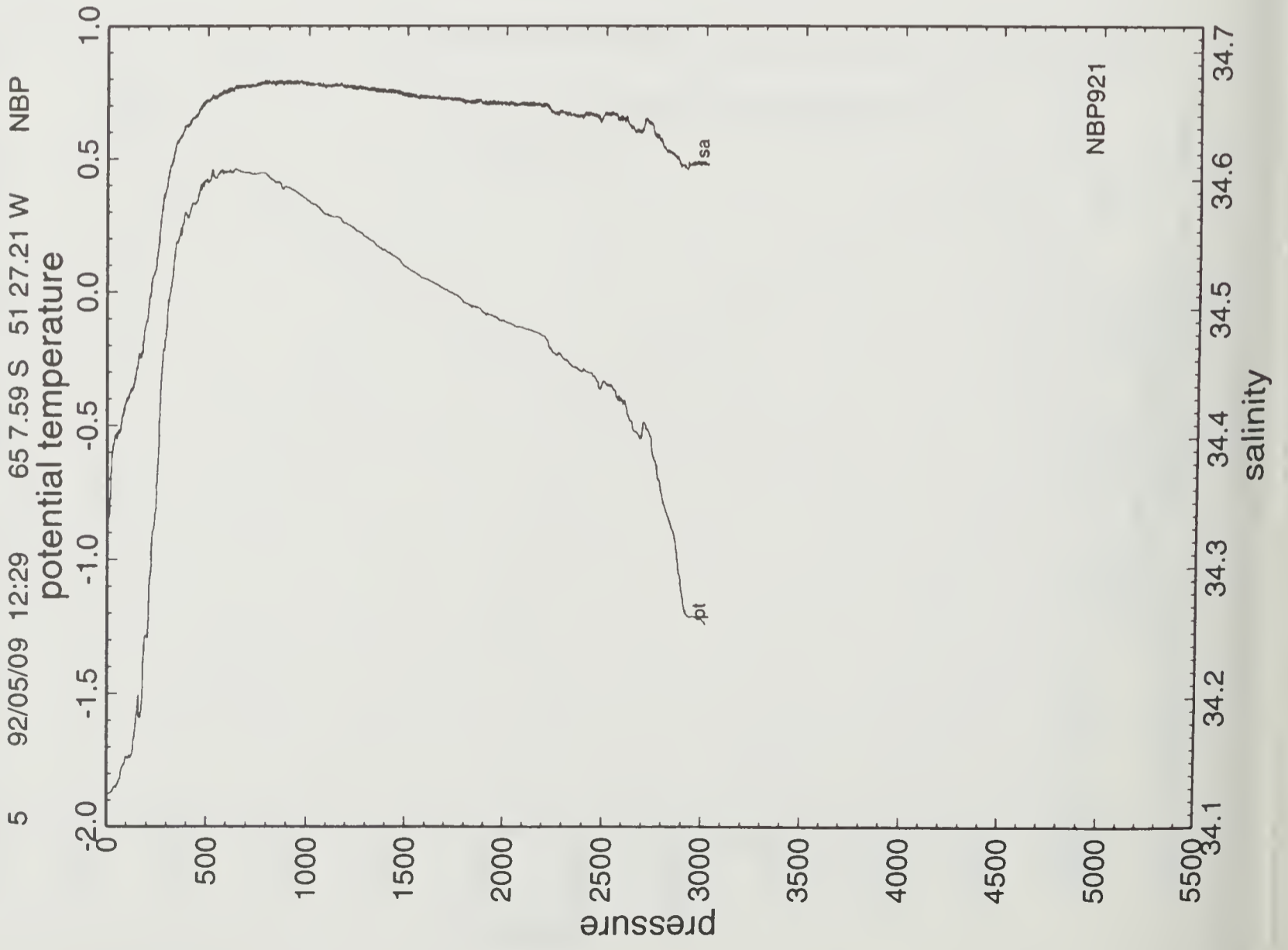
potential temperature



4 92/05/07 11:48 65 35.14 S 51 13.35 W NBP

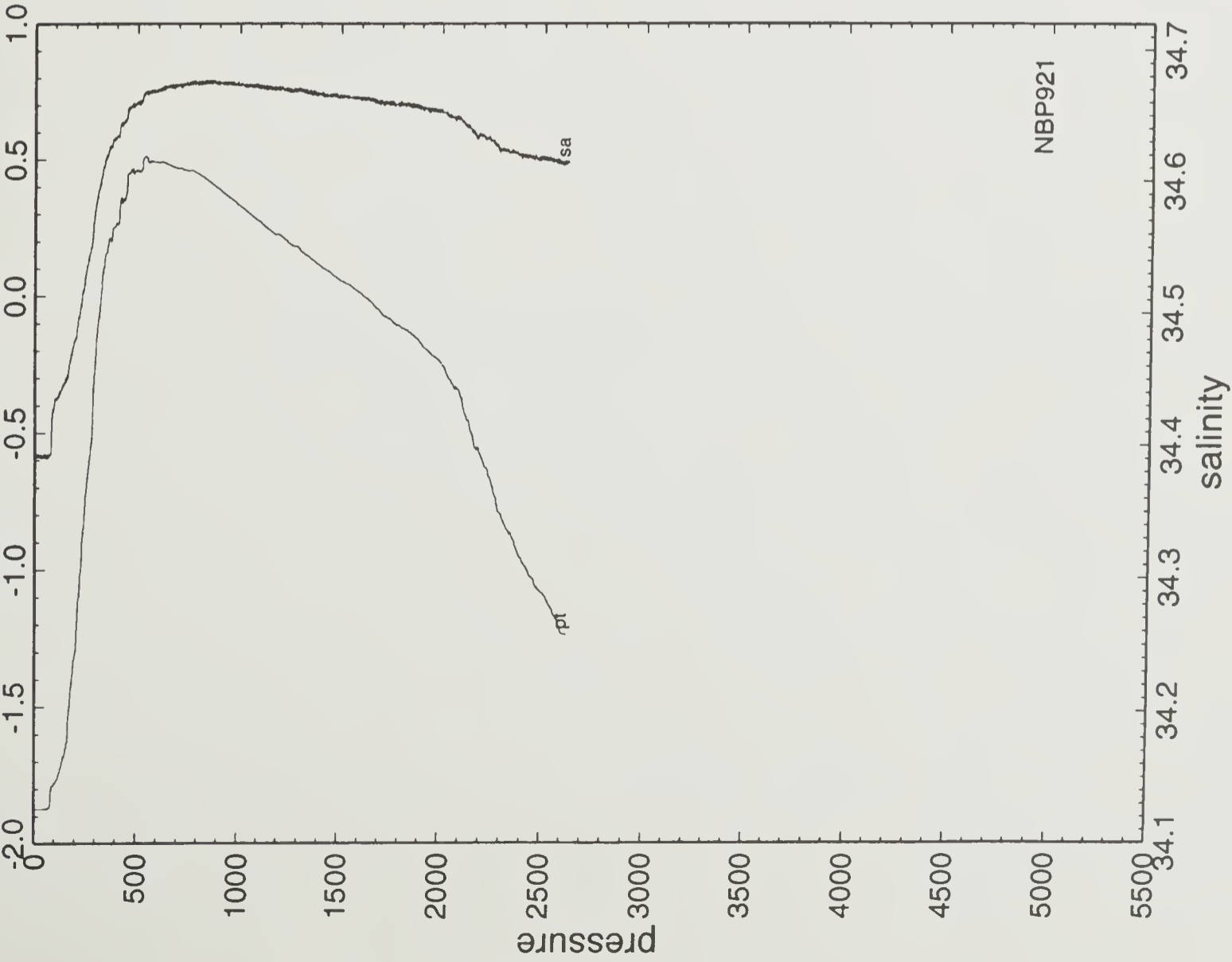
potential temperature





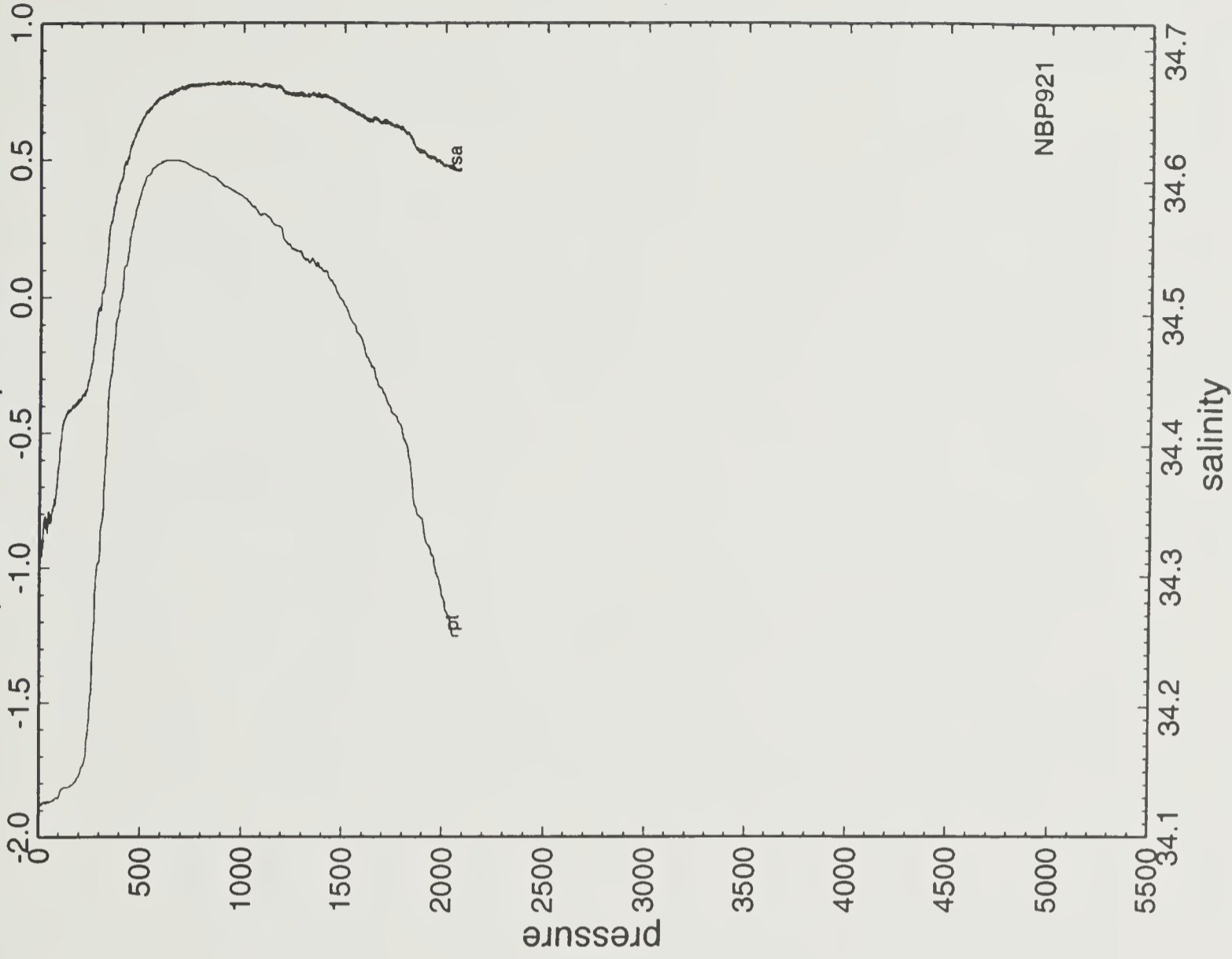
7 92/05/10 11:11 64 27.34 S 52 18.90 W NBP

potential temperature



8 92/05/12 12:11 64 2.21 S 52 15.35 W NBP

potential temperature





AARI CTD Profiles

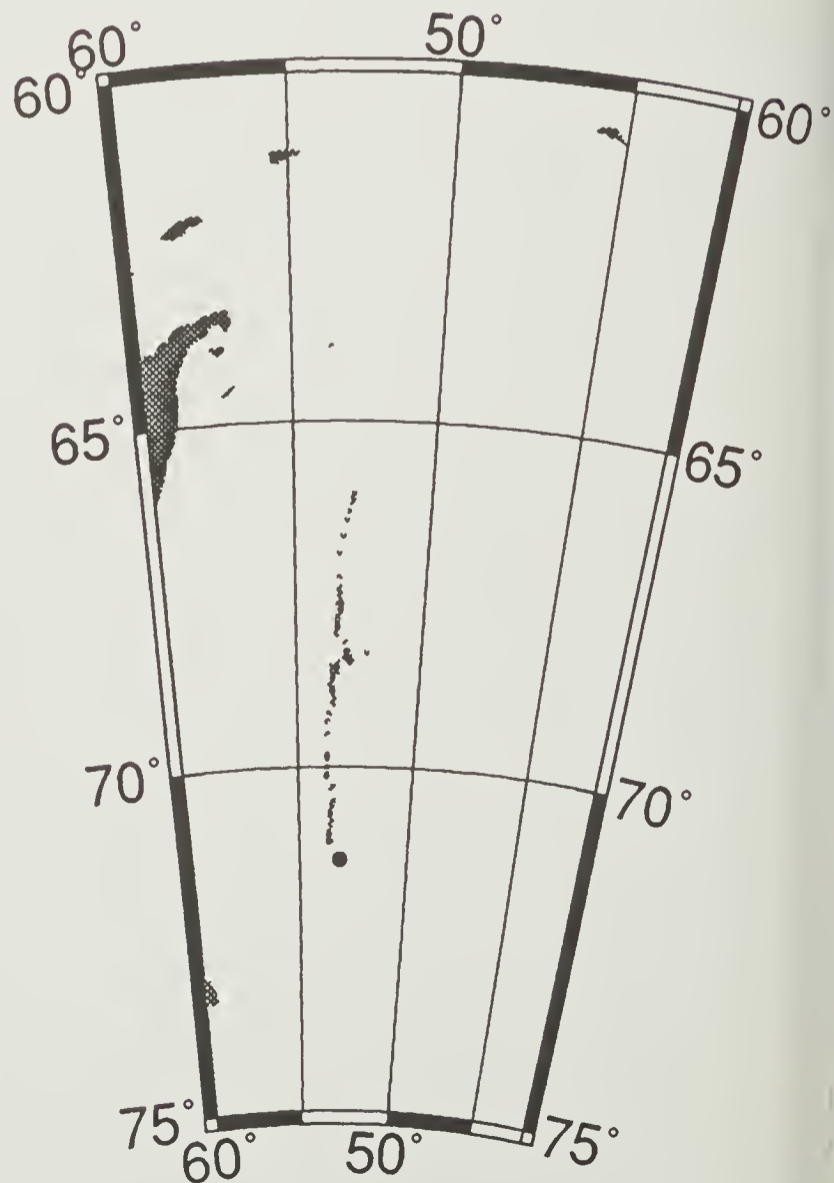
from ISW Ice Camp





ISW-1	-71.3558 S	-53.1423 W	93/03/02	62	15:54	RUSS_CTD	#2				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.809	-1.809	34.067	27.423	32.195	36.859	0.00	64.7	-25.1	-9.6	
10	-1.820	-1.820	34.090	27.442	32.214	36.879	2.44	62.9	-27.0	18.8	
20	-1.819	-1.819	34.106	27.455	32.227	36.891	2.02	61.6	-39.4	-1.5	
30	-1.820	-1.821	34.108	27.456	32.228	36.893	0.72	61.3	-74.8	54.2	
40	-1.818	-1.819	34.103	27.452	32.224	36.889	-1.13	61.7	-39.7	32.2	
50	-1.815	-1.816	34.109	27.457	32.229	36.893	1.23	61.2	-42.3	7.6	
60	-1.811	-1.812	34.111	27.458	32.230	36.895	0.69	60.9	-33.4	23.7	
70	-1.778	-1.779	34.167	27.503	32.273	36.936	3.74	56.7	-36.2	30.2	
80	-1.763	-1.765	34.312	27.621	32.389	37.050	6.06	45.5	9.3	-32.9	
90	-1.765	-1.767	34.352	27.653	32.421	37.082	3.19	42.3	-45.6	-13.3	
100	-1.763	-1.765	34.361	27.661	32.429	37.089	1.51	41.6	-37.9	15.0	
110	-1.756	-1.758	34.367	27.665	32.433	37.093	1.21	41.1	-29.6	25.1	
120	-1.757	-1.759	34.367	27.665	32.433	37.094	0.11	41.0	-27.2	26.7	
130	-1.760	-1.763	34.367	27.665	32.433	37.094	0.18	41.0	-44.1	-22.3	
140	-1.744	-1.747	34.375	27.671	32.439	37.099	1.37	40.3	-46.5	-49.1	
150	-1.729	-1.732	34.378	27.673	32.440	37.100	0.78	40.1	-40.8	-50.4	
160	-1.708	-1.711	34.381	27.675	32.442	37.100	0.74	39.9	-37.5	-52.6	
170	-1.699	-1.703	34.390	27.682	32.448	37.107	1.48	39.2	-51.9	-21.7	
180	-1.667	-1.671	34.397	27.687	32.452	37.109	1.20	38.7	-50.6	14.1	
190	-1.646	-1.650	34.397	27.687	32.451	37.108	-0.47	38.7	-39.0	32.2	
200	-1.609	-1.614	34.391	27.681	32.444	37.099	-1.39	39.2	-11.3	-58.0	
210	-1.574	-1.579	34.401	27.688	32.450	37.104	1.46	38.5	-46.8	-47.6	
220	-1.566	-1.571	34.411	27.696	32.457	37.111	1.56	37.7	-49.8	29.0	
230	-1.533	-1.538	34.406	27.691	32.451	37.104	-1.29	38.2	-25.0	4.6	
240	-1.485	-1.491	34.416	27.697	32.456	37.108	1.40	37.5	-47.3	-51.5	
250	-1.582	-1.588	34.415	27.699	32.461	37.116	0.96	37.2	-56.7	26.7	
260	-1.501	-1.507	34.429	27.708	32.468	37.120	1.60	36.4	-57.5	50.0	
270	-1.510	-1.517	34.419	27.700	32.460	37.113	-1.56	37.1	-49.6	-59.6	
280	-1.474	-1.481	34.432	27.710	32.468	37.120	1.69	36.1	-64.8	-9.7	
290	-1.312	-1.320	34.434	27.706	32.460	37.106	-1.26	36.6	-41.7	34.5	
300	-1.356	-1.364	34.432	27.706	32.461	37.109	0.29	36.5	-26.0	2.1	
325	-1.276	-1.285	34.439	27.709	32.461	37.107	0.53	36.2	-49.9	-59.2	
350	-1.096	-1.106	34.455	27.716	32.462	37.102	0.76	35.7	-55.3	-30.2	
375	-1.009	-1.020	34.466	27.721	32.465	37.102	0.77	35.1	-63.1	-4.4	
400	-0.812	-0.825	34.482	27.727	32.464	37.095	0.59	34.8	-50.8	35.0	
425	-0.474	-0.489	34.509	27.734	32.461	37.082	0.61	34.5	-46.8	32.7	
450	-0.176	-0.193	34.526	27.733	32.452	37.064	-0.74	34.8	-48.3	34.1	
475	-0.066	-0.084	34.545	27.743	32.458	37.067	1.02	34.0	-47.0	33.6	
500	0.040	0.020	34.554	27.745	32.457	37.062	0.18	34.0	-51.2	33.7	
550	0.284	0.261	34.581	27.754	32.458	37.056	0.55	33.6	-62.2	-9.9	
600	0.398	0.372	34.598	27.761	32.462	37.057	0.58	33.1	-49.1	33.5	
650	0.459	0.430	34.606	27.764	32.463	37.057	0.35	32.9	-58.2	-18.5	
700	0.517	0.485	34.614	27.767	32.465	37.056	0.36	32.8	-49.3	-56.7	
750	0.517	0.482	34.617	27.770	32.467	37.059	0.40	32.6	-47.0	31.1	
800	0.556	0.518	34.627	27.776	32.472	37.063	0.56	32.2	-42.6	34.5	
850	0.557	0.517	34.625	27.774	32.471	37.061	-0.30	32.4	-46.2	-54.8	
900	0.572	0.529	34.625	27.774	32.470	37.060	-0.25	32.6	-48.0	-33.7	
950	0.398	0.353	34.618	27.778	32.479	37.075	0.77	31.7	-56.7	-7.2	
1000	0.315	0.268	34.619	27.784	32.488	37.085	0.71	31.0	-39.0	27.2	

AARI 002



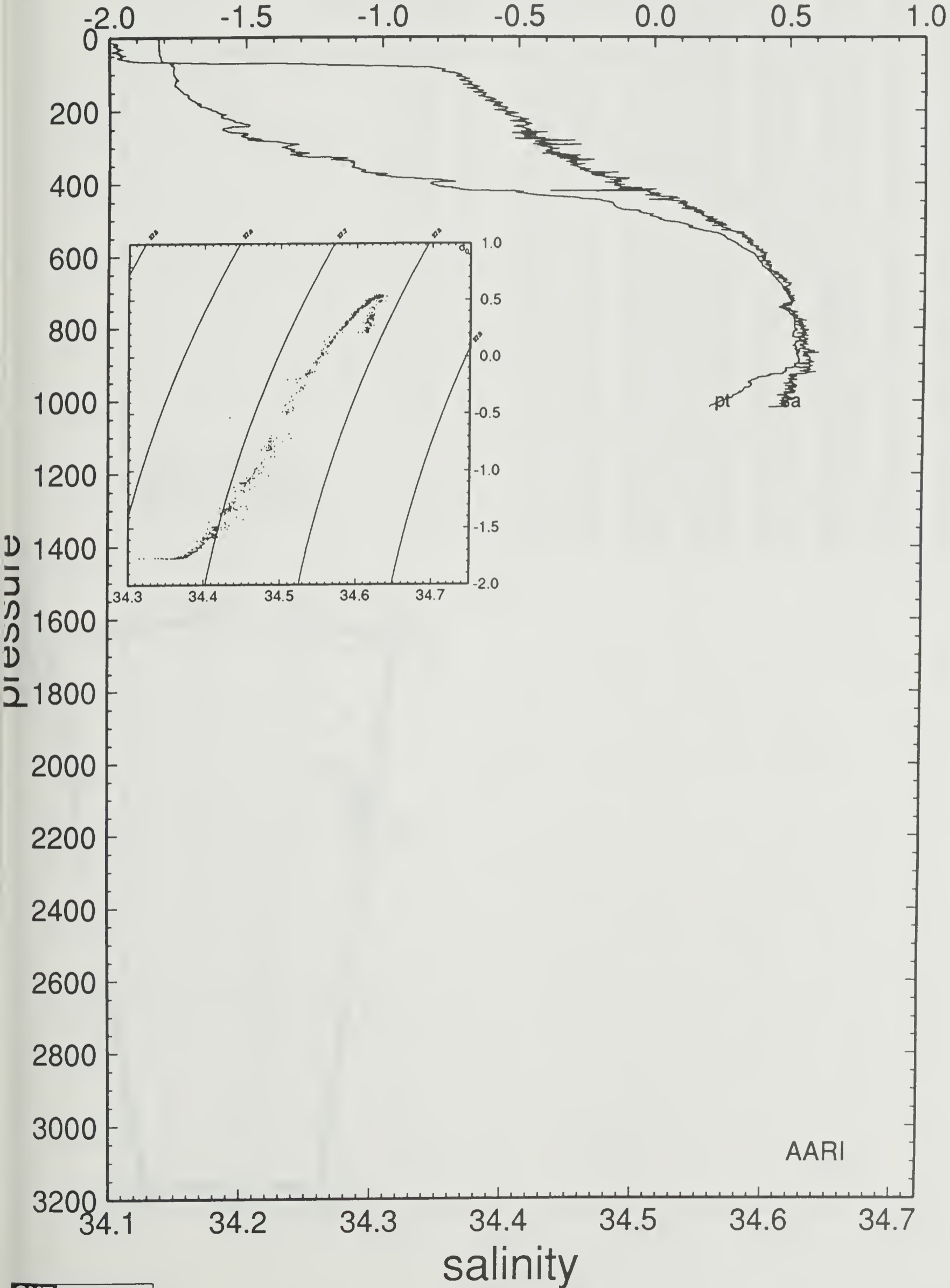


2

93/03/02 15:54

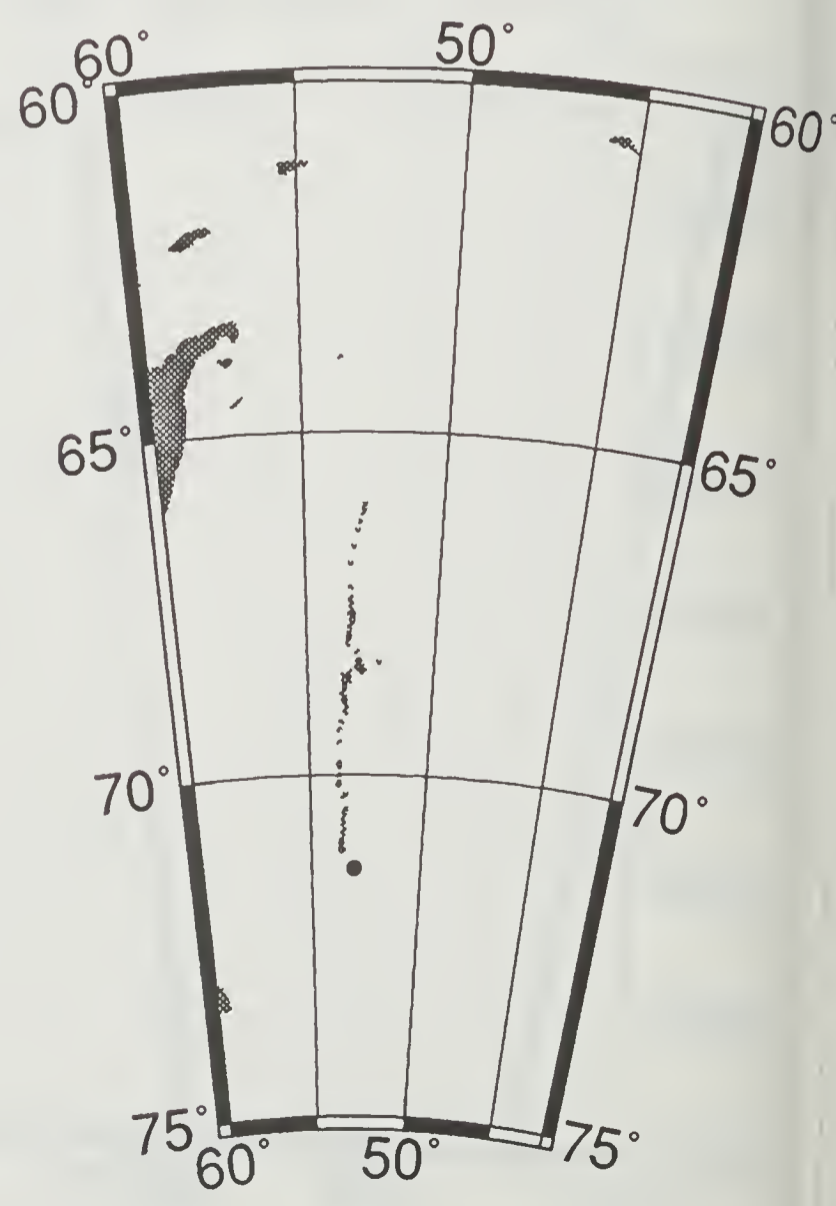
71 21.35 S 53 8.54 W

# potential temperature



ISW-1	-71.3667 S	-53.0668 W	93/03/03	63	17:03	RUSS_CTD	# 3				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.805	-1.805	34.030	27.392	32.165	36.830	0.00	67.6	6.8	-13.0	
10	-1.818	-1.818	34.066	27.422	32.194	36.859	3.05	64.7	1.0	-10.5	
20	-1.819	-1.819	34.089	27.441	32.213	36.878	2.42	62.9	1.9	-8.2	
30	-1.815	-1.816	34.107	27.455	32.227	36.892	2.13	61.4	1.4	-7.1	
40	-1.815	-1.816	34.112	27.459	32.231	36.896	1.13	61.0	4.5	-6.9	
50	-1.805	-1.806	34.146	27.487	32.258	36.922	2.93	58.3	3.4	-3.3	
60	-1.747	-1.748	34.236	27.558	32.327	36.988	4.73	51.5	1.2	-4.0	
70	-1.762	-1.763	34.318	27.626	32.394	37.055	4.58	45.1	-0.6	-3.0	
80	-1.766	-1.768	34.351	27.652	32.421	37.082	2.90	42.5	-1.2	-3.2	
90	-1.752	-1.754	34.363	27.662	32.430	37.090	1.71	41.5	-0.4	-4.2	
100	-1.749	-1.751	34.365	27.663	32.431	37.091	0.69	41.3	0.5	-3.4	
110	-1.742	-1.744	34.364	27.662	32.430	37.090	-0.57	41.4	0.3	-2.9	
120	-1.652	-1.655	34.365	27.661	32.425	37.082	-0.80	41.5	-1.4	-2.8	
130	-1.618	-1.621	34.378	27.670	32.434	37.090	1.72	40.6	-1.9	-1.7	
140	-1.645	-1.648	34.379	27.672	32.436	37.093	0.73	40.3	-2.4	-1.9	
150	-1.635	-1.638	34.384	27.676	32.440	37.096	1.08	39.9	-4.8	-3.2	
160	-1.578	-1.582	34.394	27.682	32.444	37.099	1.39	39.3	-4.4	-3.6	
170	-1.546	-1.550	34.399	27.685	32.446	37.100	0.96	39.0	-2.9	-4.3	
180	-1.562	-1.566	34.401	27.687	32.449	37.103	0.83	38.7	-2.1	-4.1	
190	-1.586	-1.590	34.412	27.697	32.459	37.114	1.75	37.7	-1.6	-4.1	
200	-1.624	-1.629	34.412	27.698	32.461	37.117	0.65	37.6	-3.8	-4.0	
210	-1.603	-1.608	34.413	27.698	32.461	37.116	0.14	37.5	-3.0	-4.0	
220	-1.568	-1.573	34.430	27.711	32.473	37.127	1.98	36.3	-2.0	-4.0	
230	-1.351	-1.357	34.435	27.708	32.463	37.110	-1.17	36.6	-3.2	-4.4	
240	-1.258	-1.264	34.441	27.710	32.462	37.106	0.57	36.5	-2.8	-6.3	
250	-1.258	-1.265	34.444	27.712	32.464	37.109	0.87	36.2	-1.0	-4.6	
260	-1.439	-1.445	34.433	27.710	32.467	37.117	-0.66	36.3	-3.4	-3.6	
270	-1.496	-1.503	34.435	27.713	32.472	37.124	1.11	35.9	-4.4	-5.6	
280	-1.444	-1.451	34.487	27.754	32.511	37.161	3.54	32.1	-2.3	-6.5	
290	-1.308	-1.316	34.445	27.715	32.468	37.114	-3.52	35.8	-2.4	-2.8	
300	-1.013	-1.022	34.460	27.717	32.461	37.098	-0.61	35.8	-3.9	-4.2	
325	-1.050	-1.059	34.475	27.730	32.475	37.113	1.32	34.4	-1.1	-4.9	
350	-0.512	-0.524	34.514	27.740	32.468	37.090	0.68	34.0	-0.9	-3.3	
375	-0.187	-0.201	34.547	27.751	32.469	37.081	0.98	33.3	-6.6	-3.8	
400	-0.043	-0.058	34.560	27.754	32.468	37.076	0.44	33.1	-6.5	-7.0	
425	0.112	0.095	34.573	27.756	32.466	37.069	0.23	33.1	-0.8	-3.6	
450	0.207	0.189	34.585	27.761	32.467	37.068	0.64	32.7	-7.6	-4.1	
475	0.305	0.285	34.599	27.767	32.470	37.068	0.75	32.3	-2.7	-8.1	
500	0.370	0.349	34.589	27.755	32.457	37.053	-1.25	33.5	0.1	-6.0	
550	0.444	0.420	34.613	27.770	32.470	37.063	0.94	32.2	-5.7	-4.0	
600	0.521	0.494	34.631	27.781	32.477	37.069	0.74	31.5	-2.1	-5.0	
650	0.561	0.531	34.631	27.778	32.474	37.064	-0.43	31.8	-5.7	-4.8	
700	0.578	0.546	34.636	27.782	32.477	37.067	0.42	31.6	-3.3	-4.9	
750	0.591	0.556	34.644	27.787	32.482	37.072	0.59	31.1	-2.9	-6.0	
800	0.588	0.550	34.639	27.784	32.479	37.068	-0.47	31.6	-4.7	-4.6	
850	0.548	0.508	34.640	27.787	32.483	37.074	0.52	31.2	-1.8	-6.2	
900	0.533	0.490	34.640	27.788	32.485	37.076	0.31	31.1	-5.0	-6.7	
950	0.502	0.457	34.648	27.797	32.494	37.087	0.76	30.3	-1.4	-5.2	
1000	0.464	0.416	34.647	27.798	32.497	37.090	0.41	30.1	-5.9	-6.0	

AARI 003



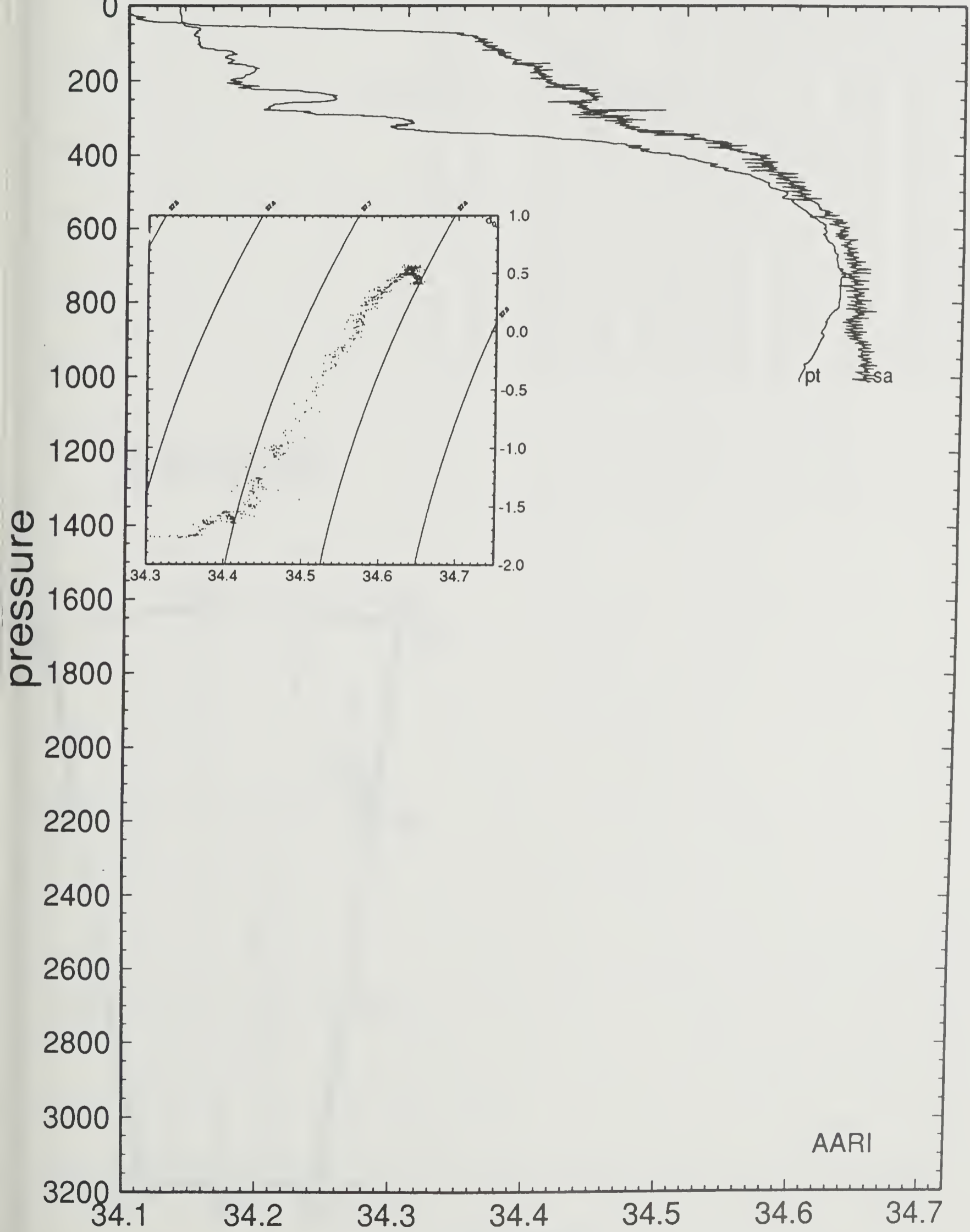
3

93/03/03 17:03

71 22.00 S 53 4.01 W

# potential temperature

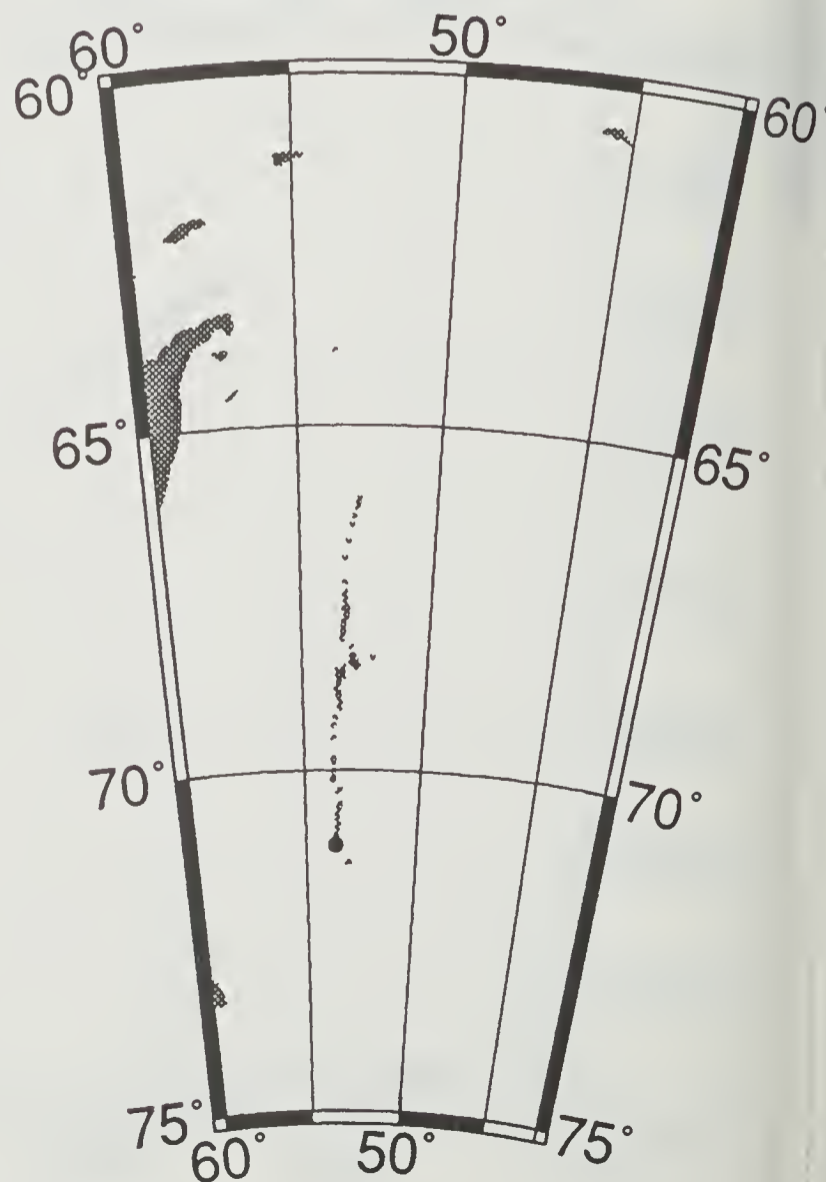
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI

ISW-1	-71.1002 S	-53.657 W	93/03/06	66	16:58	RUSS CTD	# 6				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.824	-1.824	34.159	27.498	32.270	36.934	0.00	57.6	4.7	1.2	
10	-1.825	-1.825	34.164	27.502	32.274	36.938	1.13	57.1	1.1	-1.8	
20	-1.825	-1.825	34.170	27.507	32.279	36.943	1.24	56.6	3.1	-0.4	
30	-1.823	-1.824	34.166	27.504	32.275	36.939	-1.02	56.9	0.1	1.4	
40	-1.760	-1.761	34.315	27.623	32.391	37.052	6.11	45.5	0.0	-2.2	
50	-1.766	-1.767	34.378	27.674	32.442	37.103	4.01	40.6	1.5	-5.5	
60	-1.749	-1.750	34.388	27.682	32.449	37.109	1.55	39.8	1.9	-5.3	
70	-1.752	-1.753	34.390	27.684	32.451	37.111	0.73	39.6	1.6	-4.0	
80	-1.724	-1.726	34.399	27.690	32.457	37.116	1.42	38.9	2.6	-5.4	
90	-1.712	-1.714	34.404	27.694	32.460	37.119	1.08	38.5	2.6	-5.0	
100	-1.705	-1.707	34.402	27.692	32.458	37.117	-0.76	38.6	3.1	-3.1	
110	-1.709	-1.711	34.403	27.693	32.459	37.118	0.54	38.5	0.2	-3.7	
120	-1.680	-1.683	34.412	27.700	32.465	37.122	1.41	37.8	-0.2	-4.1	
130	-1.635	-1.638	34.420	27.705	32.468	37.125	1.25	37.3	0.8	-4.8	
140	-1.636	-1.639	34.431	27.714	32.477	37.134	1.68	36.4	1.5	-3.6	
150	-1.622	-1.625	34.428	27.711	32.474	37.130	-0.95	36.6	1.5	-2.1	
160	-1.595	-1.599	34.429	27.711	32.473	37.128	-0.19	36.6	0.4	-2.1	
170	-1.609	-1.613	34.432	27.714	32.477	37.132	0.96	36.2	-0.2	-3.2	
180	-1.611	-1.615	34.435	27.716	32.479	37.135	0.89	35.9	-0.4	-4.3	
190	-1.597	-1.601	34.440	27.720	32.482	37.137	1.06	35.6	0.8	-3.8	
200	-1.584	-1.589	34.441	27.721	32.482	37.137	0.33	35.5	1.6	-2.9	
210	-1.528	-1.533	34.446	27.723	32.483	37.136	0.79	35.2	0.6	-2.2	
220	-1.480	-1.485	34.455	27.729	32.487	37.138	1.31	34.7	0.3	-2.4	
230	-1.509	-1.515	34.448	27.724	32.483	37.136	-1.19	35.0	-0.5	-2.1	
240	-1.240	-1.246	34.477	27.739	32.489	37.133	1.99	33.8	-0.7	-2.8	
250	-0.961	-0.968	34.485	27.735	32.477	37.112	-1.37	34.3	-1.7	-4.5	
260	-0.989	-0.996	34.483	27.734	32.477	37.113	-0.30	34.3	-0.1	-5.9	
270	-1.141	-1.148	34.495	27.750	32.497	37.138	2.28	32.7	0.8	-3.3	
280	-0.989	-0.997	34.500	27.748	32.491	37.127	-0.96	33.0	-1.1	-1.9	
290	-0.626	-0.635	34.497	27.731	32.463	37.088	-2.53	34.9	-0.5	-1.3	
300	-0.419	-0.429	34.540	27.756	32.481	37.100	2.71	32.6	-1.9	-4.2	
325	-0.163	-0.175	34.560	27.760	32.477	37.089	0.41	32.5	3.2	0.6	
350	0.060	0.046	34.581	27.766	32.476	37.081	0.63	32.2	3.4	1.7	
375	0.113	0.098	34.594	27.773	32.482	37.085	0.94	31.5	5.0	-0.9	
400	0.240	0.224	34.605	27.775	32.480	37.080	0.25	31.4	2.5	-4.2	
425	0.343	0.325	34.617	27.779	32.481	37.077	0.58	31.2	-1.0	1.4	
450	0.418	0.399	34.627	27.783	32.483	37.077	0.59	31.0	-0.3	-3.7	

# AARI 006



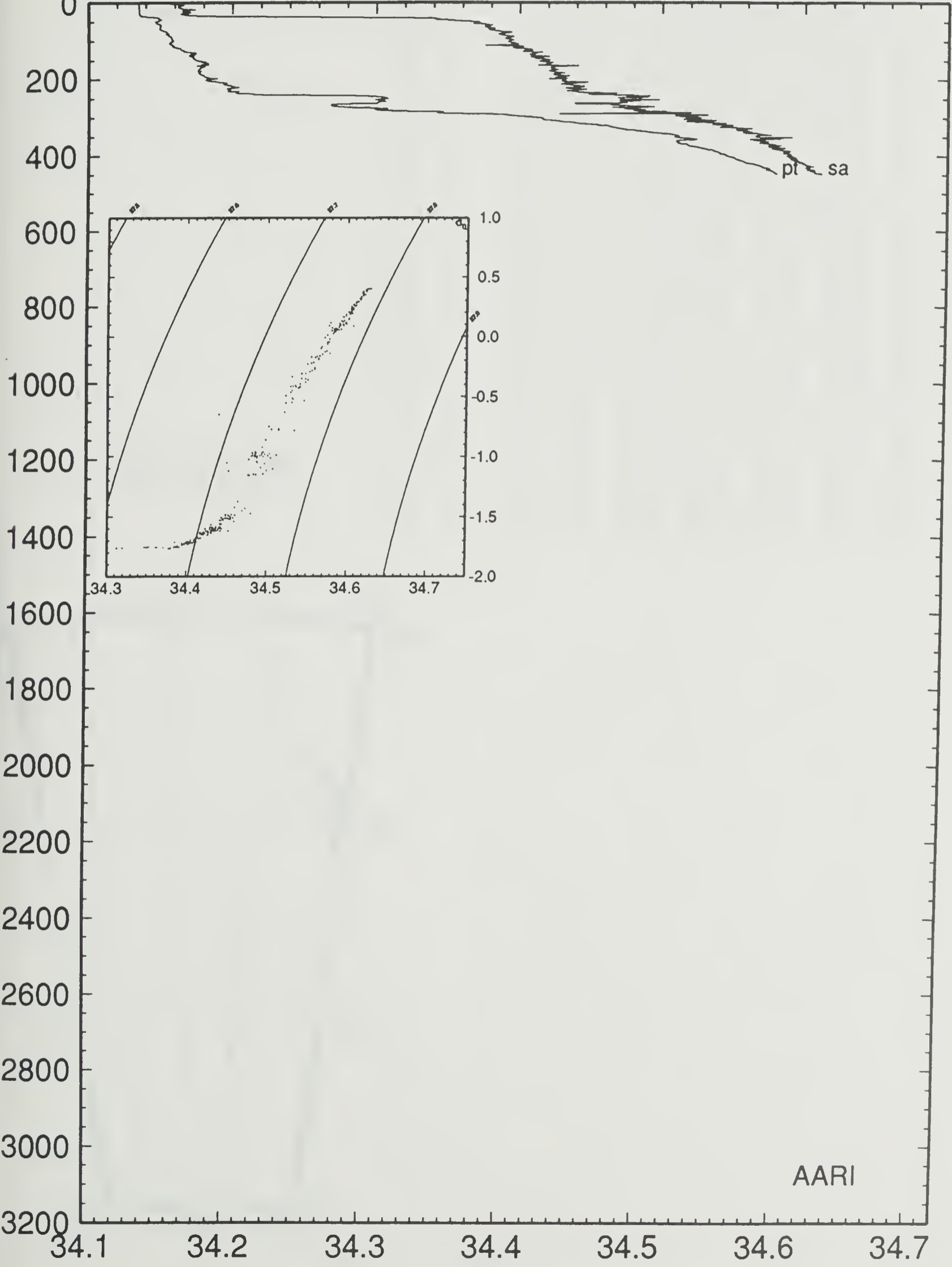
6

93/03/06 16:58

71 6.01 S 53 39.42 W

# potential temperature

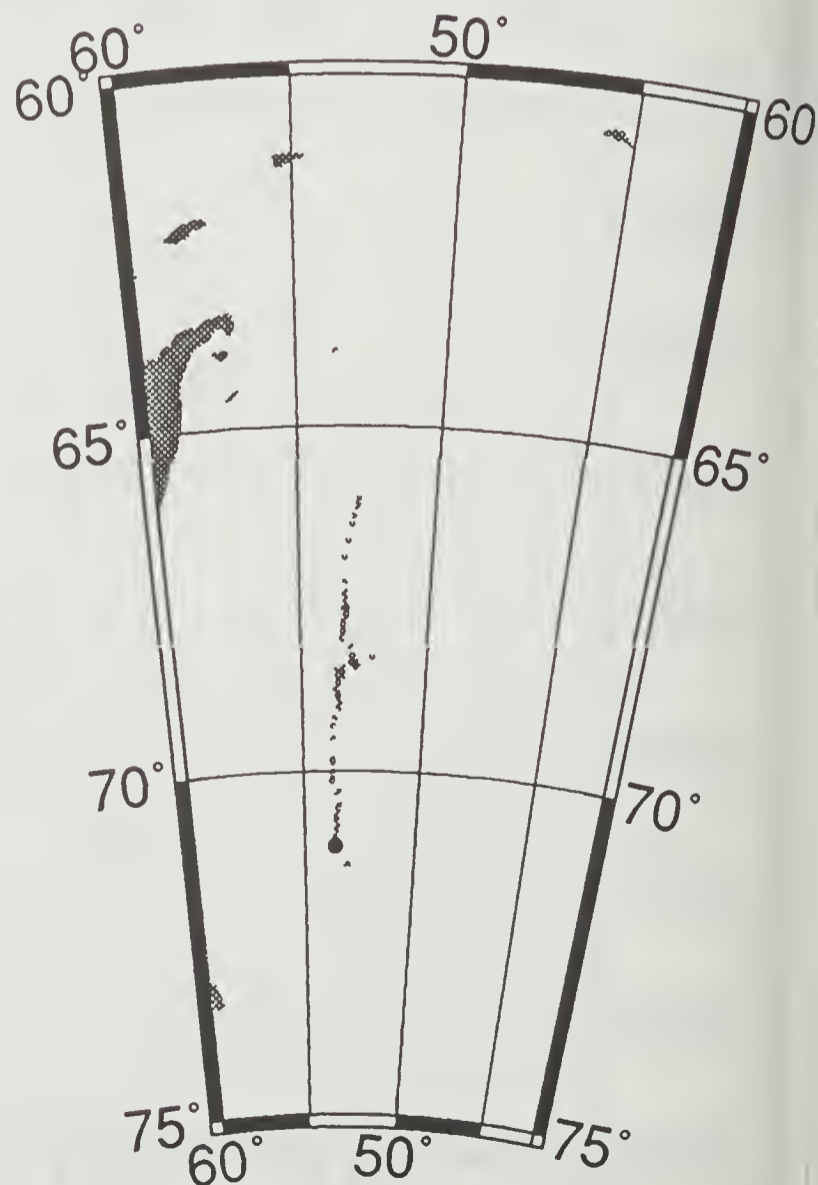
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI

ISW-1	-71.0893 S	-53.6057 W	93/03/07	67	15:51	RUSS_CTD	#7				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.808	-1.808	34.119	27.465	32.236	36.901	0.00	60.7	4.4	-5.5	
10	-1.820	-1.820	34.127	27.472	32.244	36.908	1.46	60.0	0.9	-6.9	
20	-1.810	-1.810	34.155	27.494	32.266	36.929	2.65	57.8	0.5	-5.0	
30	-1.802	-1.803	34.170	27.506	32.277	36.941	1.94	56.6	1.3	-3.0	
40	-1.751	-1.752	34.334	27.638	32.406	37.067	6.43	44.1	1.7	-6.3	
50	-1.749	-1.750	34.379	27.675	32.442	37.102	3.38	40.6	0.3	-7.9	
60	-1.748	-1.749	34.380	27.676	32.443	37.103	0.50	40.4	-0.9	-8.1	
70	-1.749	-1.750	34.384	27.679	32.446	37.106	1.01	40.1	-1.6	-8.0	
80	-1.739	-1.741	34.391	27.684	32.451	37.111	1.30	39.5	-1.5	-8.0	
90	-1.723	-1.725	34.396	27.688	32.454	37.114	1.06	39.1	-1.1	-7.5	
100	-1.705	-1.707	34.403	27.693	32.459	37.117	1.27	38.5	0.3	-8.2	
110	-1.702	-1.704	34.410	27.699	32.464	37.123	1.32	38.0	1.1	-7.5	
120	-1.679	-1.682	34.413	27.701	32.465	37.123	0.73	37.7	2.1	-5.9	
130	-1.677	-1.680	34.418	27.705	32.469	37.127	1.12	37.3	2.7	-7.0	
140	-1.653	-1.656	34.426	27.710	32.474	37.131	1.34	36.7	2.4	-4.7	
150	-1.563	-1.566	34.430	27.711	32.472	37.126	0.23	36.6	0.8	-2.9	
160	-1.623	-1.627	34.423	27.707	32.470	37.126	-1.06	36.9	1.4	-6.3	
170	-1.617	-1.621	34.440	27.721	32.483	37.139	2.06	35.6	4.2	-4.6	
180	-1.446	-1.450	34.460	27.732	32.489	37.139	1.77	34.6	1.1	-4.4	
190	-1.531	-1.535	34.442	27.720	32.480	37.133	-1.89	35.6	1.1	-5.4	
200	-1.463	-1.468	34.447	27.722	32.480	37.130	0.69	35.4	3.9	-5.6	
210	-1.203	-1.209	34.466	27.728	32.478	37.121	1.25	34.9	4.2	-3.0	
220	-1.234	-1.240	34.473	27.735	32.486	37.129	1.48	34.2	1.0	-4.9	
230	-1.365	-1.371	34.460	27.729	32.484	37.132	-1.26	34.7	3.6	-6.7	
240	-1.477	-1.483	34.451	27.725	32.484	37.135	-0.94	34.9	3.7	-4.6	
250	-1.460	-1.466	34.464	27.735	32.493	37.144	1.76	33.9	0.7	-5.6	
260	-1.311	-1.318	34.475	27.739	32.492	37.138	0.94	33.6	3.8	-6.4	
270	-0.977	-0.985	34.503	27.750	32.492	37.128	1.56	32.8	5.1	-5.1	
280	-0.973	-0.981	34.495	27.743	32.486	37.121	-1.44	33.4	1.1	-5.3	
290	-0.823	-0.832	34.512	27.751	32.489	37.120	1.42	32.8	3.0	-7.3	
300	-0.724	-0.733	34.523	27.756	32.491	37.119	1.10	32.4	4.7	-6.4	
325	-0.301	-0.313	34.553	27.761	32.483	37.098	0.36	32.2	5.9	-3.8	
350	-0.087	-0.100	34.568	27.763	32.478	37.087	-0.29	32.3	0.9	-6.4	
375	0.149	0.134	34.599	27.775	32.483	37.085	1.12	31.3	7.0	-7.0	
400	0.269	0.253	34.607	27.775	32.479	37.078	-0.43	31.5	5.2	-7.5	
425	0.337	0.319	34.611	27.775	32.477	37.073	-0.42	31.6	1.4	-2.5	
450	0.414	0.395	34.620	27.778	32.477	37.072	0.49	31.5	8.0	-3.5	
475	0.485	0.464	34.627	27.779	32.477	37.069	0.27	31.4	2.3	-7.8	
500	0.519	0.497	34.633	27.782	32.479	37.070	0.55	31.2	1.0	-4.3	
550	0.575	0.550	34.639	27.784	32.479	37.068	0.22	31.2	2.2	-4.7	
600	0.618	0.591	34.647	27.788	32.482	37.070	0.45	31.0	4.0	-3.3	
650	0.608	0.578	34.647	27.788	32.483	37.071	0.25	31.0	3.8	-3.3	
700	0.613	0.580	34.653	27.793	32.487	37.076	0.54	30.6	6.2	-5.2	
750	0.605	0.570	34.650	27.791	32.486	37.075	-0.31	30.8	4.3	-6.1	
800	0.582	0.544	34.651	27.794	32.489	37.079	0.43	30.6	3.7	-6.6	
850	0.556	0.516	34.652	27.796	32.492	37.083	0.45	30.4	2.6	-5.7	
900	0.534	0.491	34.654	27.799	32.496	37.087	0.48	30.1	5.5	-6.2	
950	0.491	0.446	34.654	27.802	32.500	37.093	0.49	29.8	6.5	-5.2	
1000	0.447	0.399	34.651	27.802	32.502	37.096	0.32	29.7	2.9	-6.5	

AARI 007



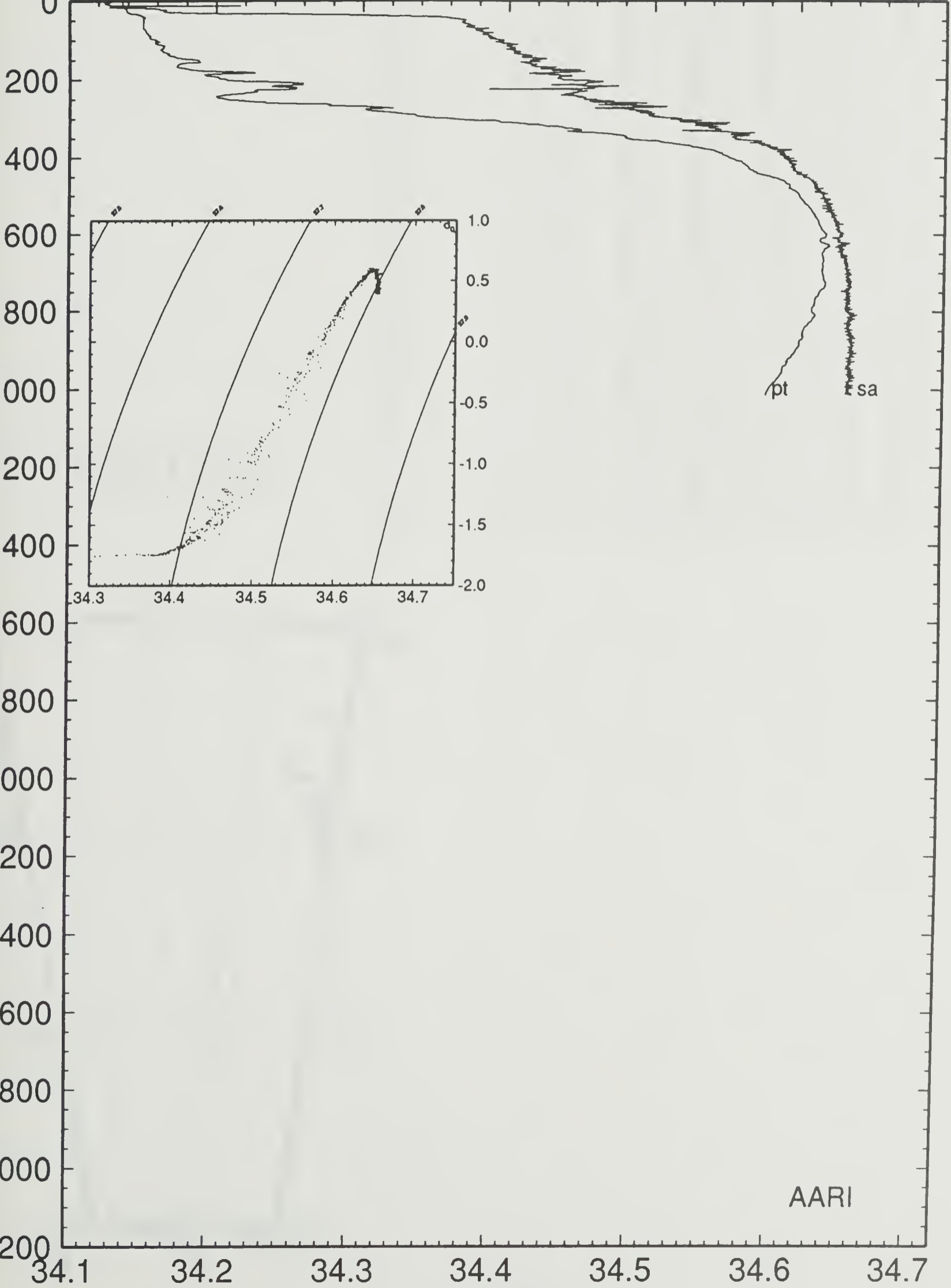
7

93/03/07 15:51

71 5.36 S 53 36.34 W

# potential temperature

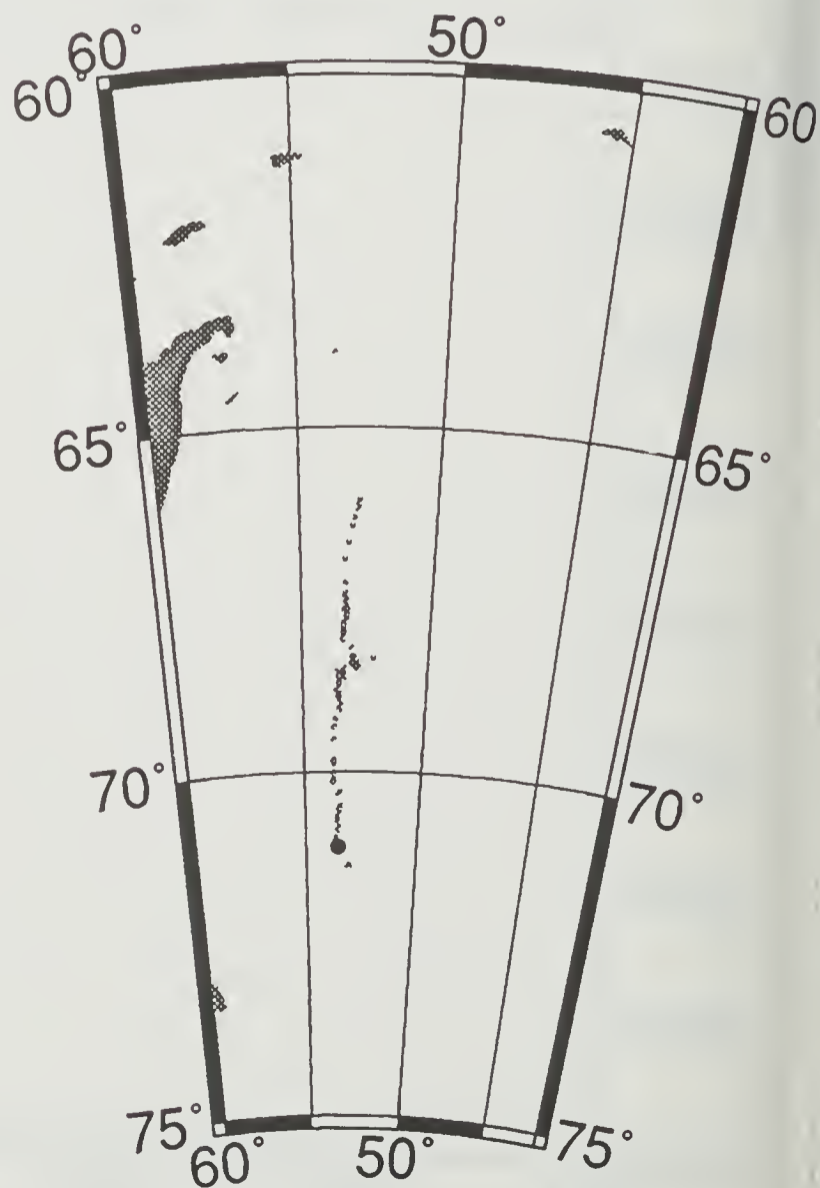
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AARI

ISW-1	-71.0883 S	-53.554 W	93/03/08	68	17:31	RUSS CTD # 8					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.803	-1.803	34.066	27.422	32.194	36.858	0.00	64.8	7.2	-1.6	
10	-1.817	-1.817	34.082	27.435	32.207	36.872	2.05	63.5	5.2	-7.3	
20	-1.817	-1.817	34.081	27.434	32.206	36.871	-0.50	63.5	2.0	-8.2	
30	-1.808	-1.809	34.108	27.456	32.228	36.892	2.61	61.4	1.6	-6.5	
40	-1.771	-1.772	34.206	27.535	32.304	36.967	4.96	53.9	3.5	-5.9	
50	-1.736	-1.737	34.346	27.648	32.415	37.075	5.94	43.1	6.0	-6.3	
60	-1.735	-1.736	34.384	27.678	32.445	37.105	3.11	40.1	7.6	-5.3	
70	-1.729	-1.730	34.392	27.685	32.451	37.111	1.41	39.5	8.0	-4.4	
80	-1.714	-1.716	34.399	27.690	32.456	37.115	1.28	38.9	8.6	-4.2	
90	-1.703	-1.705	34.402	27.692	32.458	37.116	0.81	38.7	8.9	-4.6	
100	-1.701	-1.703	34.404	27.694	32.460	37.118	0.70	38.5	8.3	-3.9	
110	-1.667	-1.669	34.412	27.699	32.464	37.121	1.30	37.9	8.4	-3.2	
120	-1.681	-1.684	34.412	27.700	32.465	37.122	0.38	37.8	9.3	-3.7	
130	-1.603	-1.603	34.423	27.706	32.469	37.124	1.40	37.2	7.6	-3.6	
140	-1.527	-1.530	34.427	27.707	32.467	37.120	0.48	37.0	6.7	-3.2	
150	-1.611	-1.614	34.424	27.707	32.470	37.126	0.40	36.9	6.5	-3.0	
160	-1.595	-1.599	34.422	27.705	32.468	37.123	-0.82	37.1	6.0	-3.8	
170	-1.580	-1.584	34.440	27.720	32.481	37.136	2.10	35.7	5.2	-4.7	
180	-1.475	-1.479	34.441	27.717	32.475	37.127	-0.97	36.0	5.6	-5.2	
190	-1.461	-1.466	34.442	27.718	32.475	37.126	0.30	35.9	5.9	-4.8	
200	-1.437	-1.442	34.446	27.720	32.477	37.127	0.85	35.6	5.7	-4.4	
210	-1.375	-1.380	34.450	27.721	32.476	37.125	0.51	35.5	5.1	-5.8	
220	-1.312	-1.318	34.459	27.726	32.480	37.126	1.22	35.0	5.4	-5.7	
230	-1.219	-1.225	34.467	27.730	32.480	37.123	0.90	34.7	4.9	-3.7	
240	-1.187	-1.193	34.472	27.733	32.482	37.124	0.92	34.4	4.1	-6.2	
250	-1.228	-1.235	34.486	27.745	32.496	37.139	2.02	33.1	5.9	-4.9	
260	-1.008	-1.015	34.488	27.739	32.483	37.119	-1.60	33.9	3.6	-5.6	
270	-0.851	-0.859	34.502	27.744	32.483	37.115	1.10	33.5	4.9	-6.2	
280	-0.677	-0.686	34.516	27.748	32.481	37.108	0.90	33.2	5.1	-4.7	
290	-0.531	-0.541	34.532	27.755	32.483	37.106	1.28	32.7	4.9	-2.5	
300	-0.387	-0.397	34.544	27.758	32.482	37.100	0.75	32.5	1.4	-3.1	
325	-0.151	-0.163	34.558	27.758	32.475	37.086	-0.55	32.7	2.2	-8.9	
350	0.093	0.079	34.583	27.765	32.475	37.079	0.79	32.2	0.9	-2.9	
375	0.209	0.194	34.594	27.768	32.474	37.074	0.41	32.1	4.3	-0.7	
400	0.360	0.343	34.612	27.774	32.476	37.071	0.73	31.7	4.4	-7.8	
425	0.432	0.414	34.614	27.772	32.471	37.065	-0.65	32.0	5.0	-2.6	
450	0.474	0.455	34.620	27.774	32.472	37.065	0.49	31.9	0.3	-4.8	
475	0.512	0.491	34.627	27.778	32.475	37.066	0.61	31.6	5.3	-4.1	
500	0.518	0.496	34.630	27.780	32.477	37.068	0.51	31.4	2.2	-6.8	
550	0.566	0.541	34.633	27.779	32.475	37.065	-0.25	31.6	3.3	-3.7	
600	0.622	0.595	34.640	27.782	32.476	37.064	0.30	31.5	3.5	-4.8	
650	0.663	0.633	34.645	27.784	32.476	37.063	0.25	31.5	2.1	-4.6	
700	0.657	0.624	34.646	27.785	32.478	37.065	0.31	31.5	1.7	-4.8	
750	0.632	0.597	34.651	27.791	32.484	37.072	0.63	30.9	2.3	-4.0	
800	0.614	0.576	34.649	27.790	32.485	37.073	0.09	31.0	2.5	-5.8	
850	0.584	0.544	34.650	27.793	32.488	37.078	0.47	30.7	2.7	-2.2	
900	0.542	0.499	34.645	27.792	32.488	37.079	-0.11	30.8	2.8	-1.6	
950	0.505	0.460	34.643	27.792	32.490	37.082	0.34	30.7	1.8	-4.2	
1000	0.463	0.415	34.646	27.797	32.496	37.090	0.63	30.2	1.2	-5.3	

AARI 008





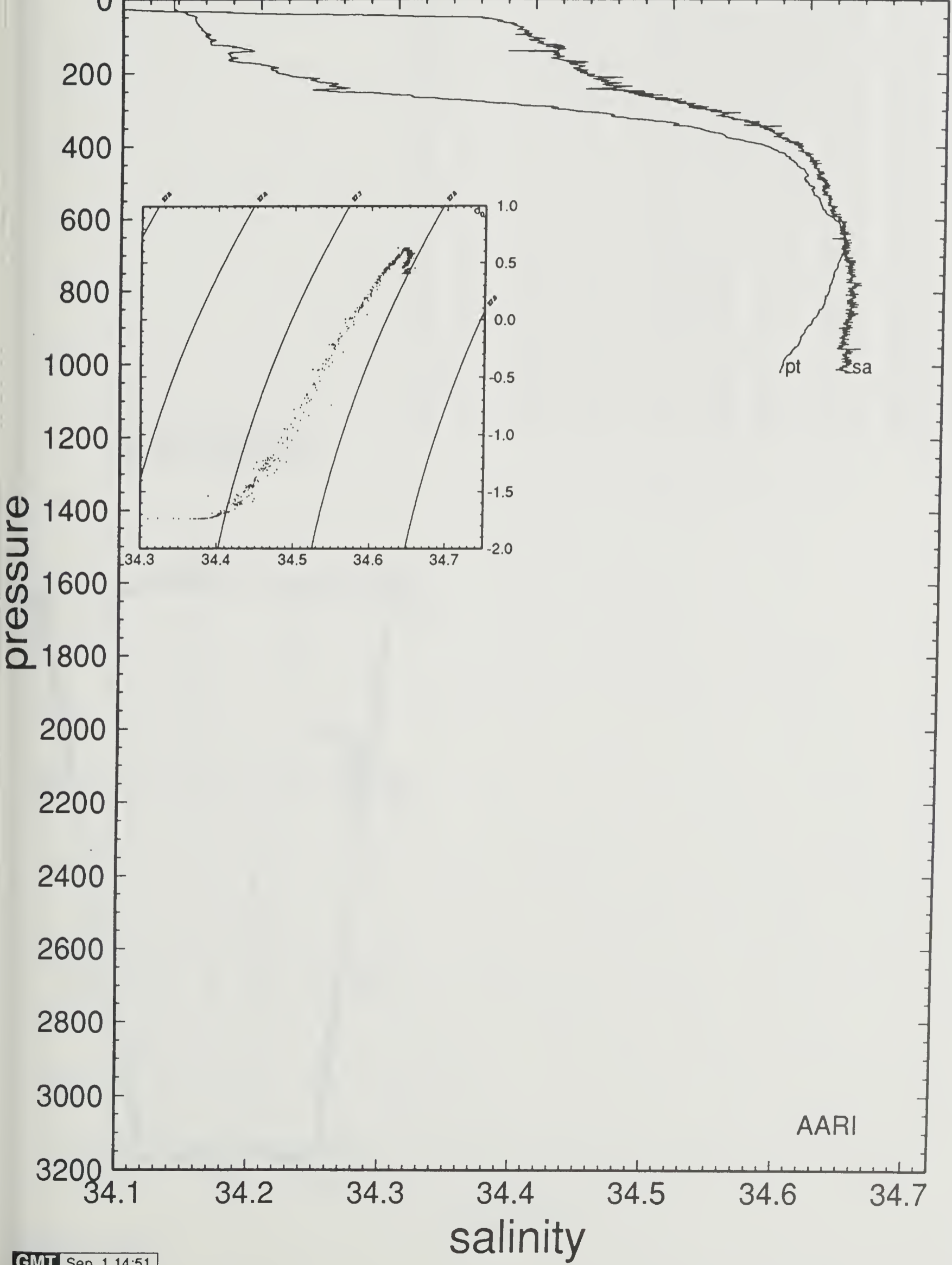
8

93/03/08 17:31

71 5.30 S 53 33.24 W

# potential temperature

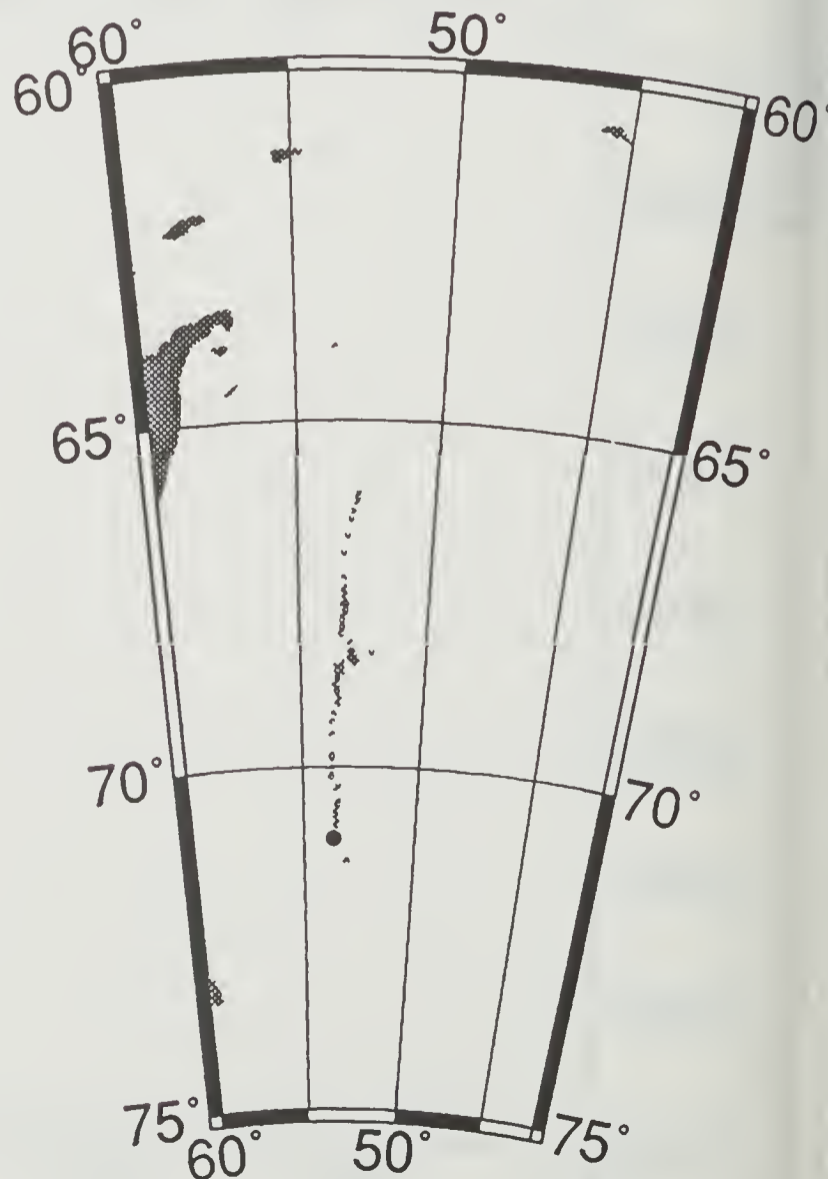
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AARI

ISW-1	-71.0335 S	-53.6505 W	93/03/09	69	15:45	RUSS_CTD	# 9				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.813	-1.813	34.071	27.426	32.198	36.863	0.00	64.4	-0.5	-2.5	
10	-1.815	-1.815	34.078	27.432	32.204	36.869	1.34	63.8	-5.0	-3.5	
20	-1.815	-1.815	34.083	27.436	32.208	36.873	1.13	63.3	-6.2	-1.2	
30	-1.810	-1.811	34.114	27.461	32.233	36.897	2.80	60.9	-3.5	-2.3	
40	-1.792	-1.793	34.171	27.507	32.277	36.941	3.79	56.5	-2.5	-2.4	
50	-1.767	-1.768	34.253	27.573	32.342	37.004	4.54	50.2	-1.5	-4.2	
60	-1.738	-1.739	34.363	27.661	32.429	37.089	5.26	41.8	0.3	-4.7	
70	-1.741	-1.742	34.372	27.669	32.436	37.096	1.52	41.0	0.0	-4.1	
80	-1.726	-1.728	34.378	27.673	32.440	37.099	1.18	40.5	-0.7	-4.2	
90	-1.700	-1.702	34.383	27.677	32.443	37.101	1.01	40.2	-0.6	-3.4	
100	-1.676	-1.678	34.389	27.681	32.446	37.104	1.14	39.7	-0.9	-3.8	
110	-1.692	-1.694	34.390	27.682	32.448	37.106	0.64	39.5	-0.6	-4.6	
120	-1.644	-1.647	34.398	27.687	32.451	37.108	1.24	39.0	-1.3	-5.5	
130	-1.609	-1.612	34.405	27.692	32.455	37.110	1.19	38.5	-2.1	-6.2	
140	-1.596	-1.599	34.405	27.692	32.454	37.109	-0.37	38.5	-0.7	-5.8	
150	-1.569	-1.572	34.414	27.698	32.460	37.114	1.41	37.9	-0.0	-5.7	
160	-1.538	-1.542	34.412	27.696	32.456	37.109	-0.92	38.1	-0.8	-4.6	
170	-1.558	-1.562	34.418	27.701	32.462	37.116	1.32	37.5	-0.1	-4.2	
180	-1.481	-1.485	34.425	27.704	32.463	37.115	0.95	37.2	-0.8	-5.6	
190	-1.350	-1.355	34.434	27.707	32.462	37.109	0.85	36.9	0.7	-5.5	
200	-1.315	-1.320	34.436	27.708	32.461	37.108	0.27	36.8	-0.5	-3.7	
210	-1.330	-1.335	34.430	27.704	32.457	37.104	-1.15	37.2	-0.9	-5.1	
220	-1.283	-1.289	34.443	27.712	32.465	37.110	1.64	36.3	-0.7	-7.2	
230	-1.253	-1.259	34.457	27.723	32.474	37.118	1.78	35.3	1.0	-5.8	
240	-1.181	-1.187	34.458	27.721	32.470	37.112	-0.84	35.5	-0.7	-3.0	
250	-1.039	-1.046	34.471	27.726	32.471	37.109	1.15	35.1	-2.1	-7.0	
260	-0.965	-0.973	34.474	27.726	32.468	37.104	-0.55	35.1	0.2	-3.3	
270	-0.843	-0.851	34.488	27.733	32.471	37.103	1.31	34.6	-1.8	-6.4	
280	-0.671	-0.680	34.502	27.737	32.470	37.096	0.92	34.3	-0.2	-4.9	
290	-0.531	-0.541	34.513	27.739	32.468	37.091	0.69	34.1	-1.0	-3.7	
300	-0.361	-0.371	34.525	27.741	32.465	37.082	0.32	34.1	-2.9	-6.0	
325	-0.140	-0.152	34.538	27.741	32.458	37.069	-0.54	34.3	2.4	-8.0	
350	0.052	0.038	34.564	27.752	32.463	37.068	1.07	33.4	1.2	-7.3	
375	0.304	0.289	34.585	27.755	32.459	37.056	0.24	33.4	-0.0	-0.6	
400	0.372	0.355	34.594	27.759	32.460	37.056	0.58	33.1	-4.5	-4.9	
425	0.432	0.414	34.601	27.761	32.461	37.054	0.43	33.0	-3.8	-4.9	
450	0.484	0.465	34.607	27.763	32.461	37.053	0.39	32.9	-3.4	-3.8	
475	0.501	0.480	34.608	27.763	32.460	37.052	-0.21	33.0	-2.1	-7.2	
500	0.545	0.523	34.622	27.772	32.468	37.058	1.00	32.2	-2.2	-2.9	
550	0.587	0.562	34.627	27.773	32.468	37.058	0.25	32.2	-2.9	-7.0	
600	0.625	0.598	34.632	27.775	32.469	37.057	0.28	32.2	-2.1	-6.5	
650	0.637	0.607	34.631	27.774	32.467	37.055	-0.31	32.4	-2.4	-4.6	
700	0.642	0.609	34.637	27.779	32.472	37.060	0.54	32.0	-2.1	-6.3	

AARI 009

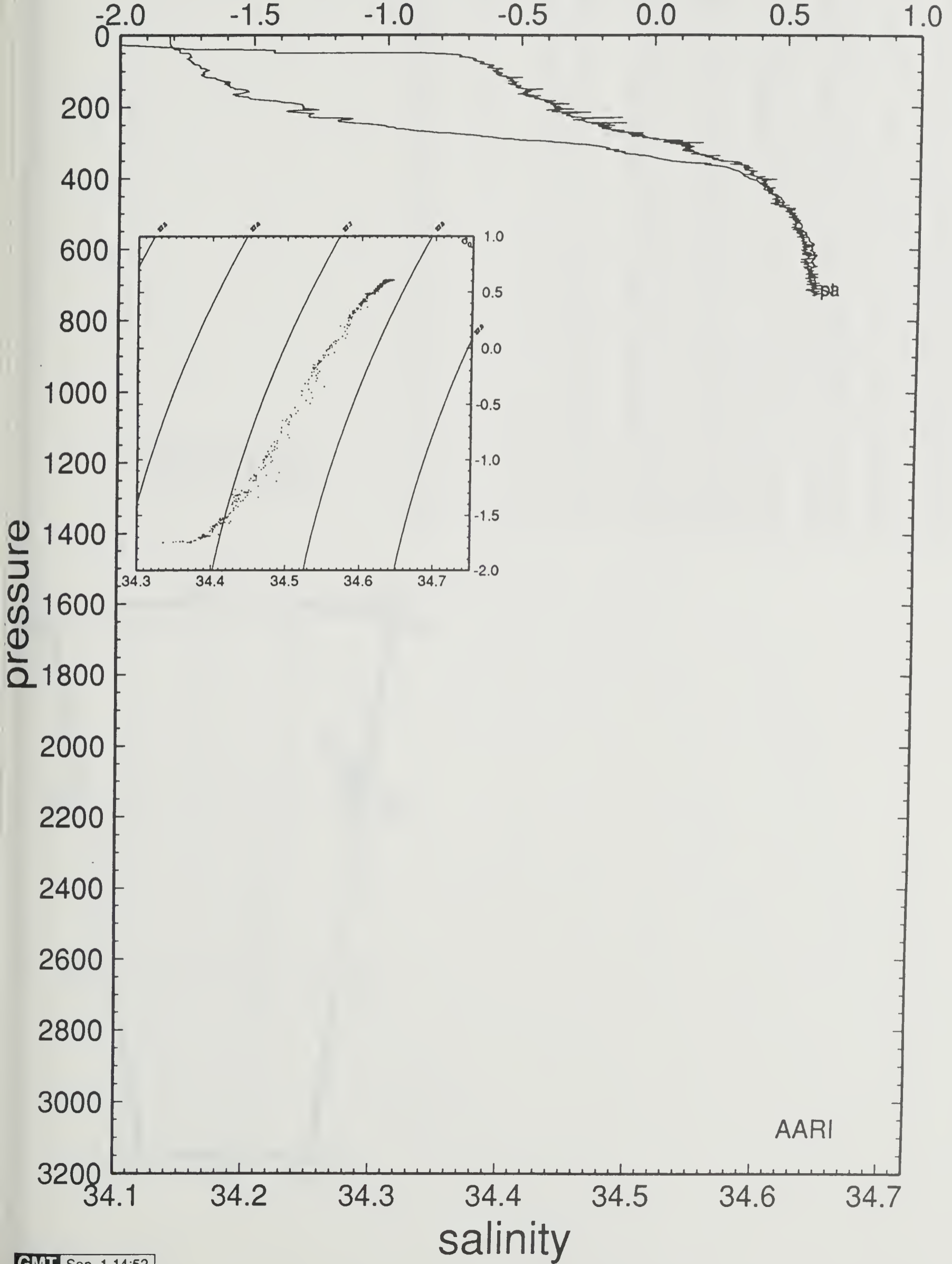


9

93/03/09 15:45

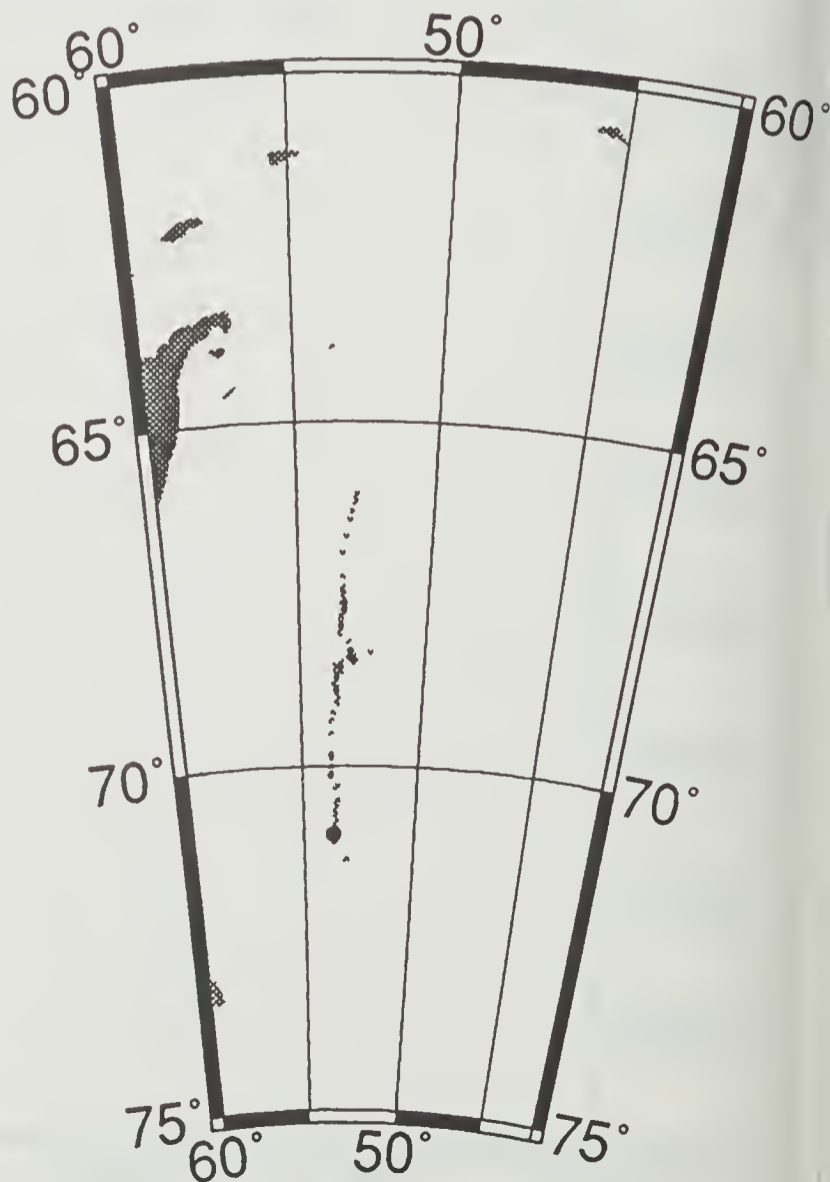
71 2.01 S 53 39.03 W

# potential temperature



ISW-1	-70.9908 S -53.6552 W			93/03/10 70			17:33 RUSS CTD #10			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.762	-1.762	33.936	27.315	32.087	36.751	0.00	74.9	0.2	-6.6
10	-1.816	-1.816	33.989	27.359	32.132	36.798	3.73	70.7	-7.3	-3.4
20	-1.821	-1.821	34.079	27.433	32.205	36.870	4.79	63.6	-2.1	-0.2
30	-1.813	-1.814	34.091	27.442	32.214	36.879	1.73	62.7	0.4	-2.2
40	-1.766	-1.767	34.198	27.528	32.298	36.960	5.18	54.5	1.5	-3.8
50	-1.749	-1.750	34.351	27.652	32.420	37.080	6.23	42.7	-1.2	-6.0
60	-1.752	-1.753	34.360	27.659	32.427	37.087	1.52	41.9	-3.1	-6.4
70	-1.748	-1.749	34.366	27.664	32.432	37.092	1.22	41.4	-2.9	-6.8
80	-1.744	-1.746	34.368	27.666	32.433	37.093	0.69	41.2	-3.9	-6.4
90	-1.728	-1.730	34.372	27.669	32.435	37.095	0.93	40.9	-4.2	-7.5
100	-1.709	-1.711	34.374	27.670	32.436	37.095	0.57	40.8	-3.9	-6.0
110	-1.707	-1.709	34.378	27.673	32.439	37.098	1.00	40.4	-2.8	-4.8
120	-1.682	-1.685	34.385	27.678	32.443	37.101	1.24	39.9	-2.2	-4.0
130	-1.649	-1.652	34.388	27.679	32.444	37.101	0.65	39.7	-4.0	-3.5
140	-1.623	-1.626	34.392	27.682	32.445	37.101	0.86	39.4	-4.4	-5.0
150	-1.609	-1.612	34.399	27.687	32.450	37.106	1.28	38.9	-4.4	-6.3
160	-1.601	-1.605	34.403	27.690	32.453	37.108	0.97	38.5	-3.2	-7.2
170	-1.602	-1.606	34.409	27.695	32.458	37.113	1.24	38.0	-2.7	-6.3
180	-1.577	-1.581	34.414	27.698	32.460	37.115	1.00	37.7	-3.6	-8.2
190	-1.474	-1.479	34.428	27.707	32.465	37.116	1.54	36.9	-1.7	-6.8
200	-1.401	-1.406	34.443	27.716	32.472	37.121	1.71	36.0	-1.9	-6.3
210	-1.294	-1.299	34.442	27.712	32.465	37.110	-1.26	36.4	-2.4	-8.5
220	-1.258	-1.264	34.448	27.716	32.467	37.112	1.03	36.0	-0.3	-6.2
230	-1.200	-1.206	34.458	27.722	32.471	37.114	1.33	35.5	-0.5	-5.3
240	-1.192	-1.198	34.458	27.721	32.471	37.113	-0.32	35.5	-2.9	-7.5
250	-1.158	-1.165	34.465	27.726	32.474	37.116	1.15	35.0	-1.1	-5.6
260	-1.116	-1.123	34.470	27.728	32.475	37.116	0.83	34.8	-2.5	-5.5
270	-1.126	-1.133	34.474	27.732	32.479	37.120	1.08	34.4	-0.4	-8.5
280	-0.831	-0.840	34.498	27.740	32.478	37.110	1.31	33.8	-1.1	-5.7
290	-0.613	-0.622	34.522	27.750	32.482	37.106	1.61	33.0	-1.0	-4.0
300	-0.372	-0.382	34.534	27.749	32.473	37.090	-1.04	33.3	-4.2	-7.2
325	-0.067	-0.079	34.557	27.753	32.467	37.076	0.29	33.2	-4.5	-2.3
350	0.090	0.076	34.573	27.757	32.467	37.071	0.62	32.9	2.2	-3.5
375	0.285	0.270	34.594	27.764	32.468	37.066	0.72	32.6	-1.7	-4.0
400	0.374	0.357	34.605	27.768	32.469	37.064	0.60	32.3	-4.2	-9.4
425	0.481	0.463	34.613	27.768	32.466	37.058	-0.36	32.4	-0.3	-8.2
450	0.510	0.490	34.618	27.770	32.467	37.059	0.50	32.3	1.0	-7.2
475	0.536	0.515	34.623	27.773	32.469	37.060	0.52	32.1	-0.7	-5.4
500	0.556	0.534	34.627	27.775	32.471	37.061	0.48	31.9	-1.4	-8.7
550	0.604	0.579	34.633	27.777	32.471	37.060	0.29	31.9	-0.8	-6.0
600	0.634	0.606	34.638	27.779	32.473	37.061	0.34	31.8	-1.9	-7.1
650	0.644	0.614	34.641	27.781	32.475	37.062	0.34	31.7	-2.5	-6.1
700	0.625	0.592	34.641	27.783	32.477	37.065	0.33	31.6	-2.8	-7.7
750	0.605	0.570	34.646	27.788	32.483	37.072	0.60	31.1	-0.7	-6.7
800	0.573	0.535	34.645	27.789	32.485	37.075	0.36	31.0	-1.9	-7.8
850	0.544	0.504	34.646	27.792	32.489	37.079	0.46	30.7	-0.9	-7.8
900	0.517	0.474	34.645	27.793	32.490	37.082	0.33	30.6	-0.9	-6.6
950	0.472	0.427	34.644	27.795	32.494	37.087	0.45	30.4	-0.1	-6.0
1000	0.444	0.396	34.645	27.798	32.497	37.091	0.46	30.1	-0.3	-6.7

AARI 010



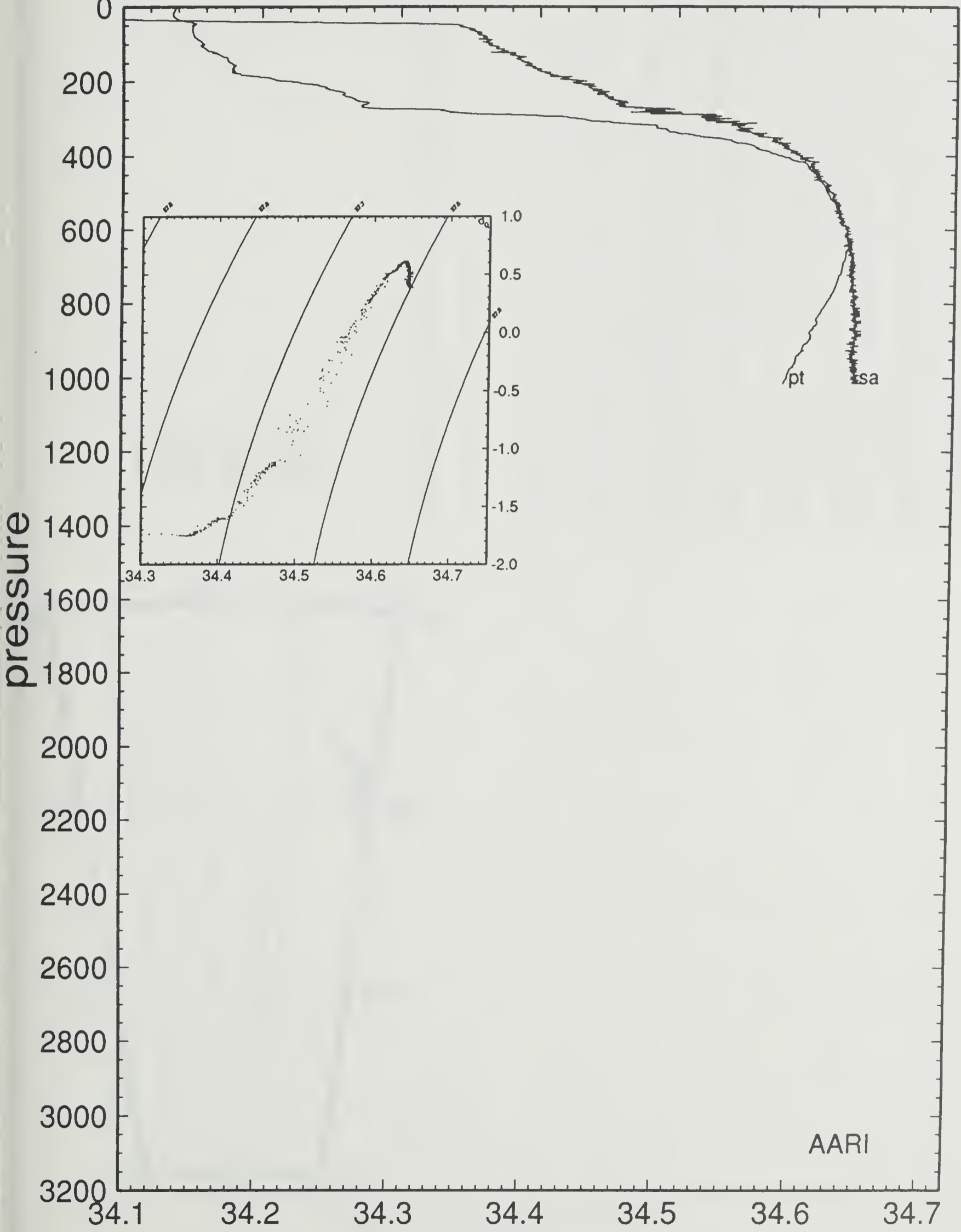
10

93/03/10 17:33

70 59.45 S 53 39.31 W

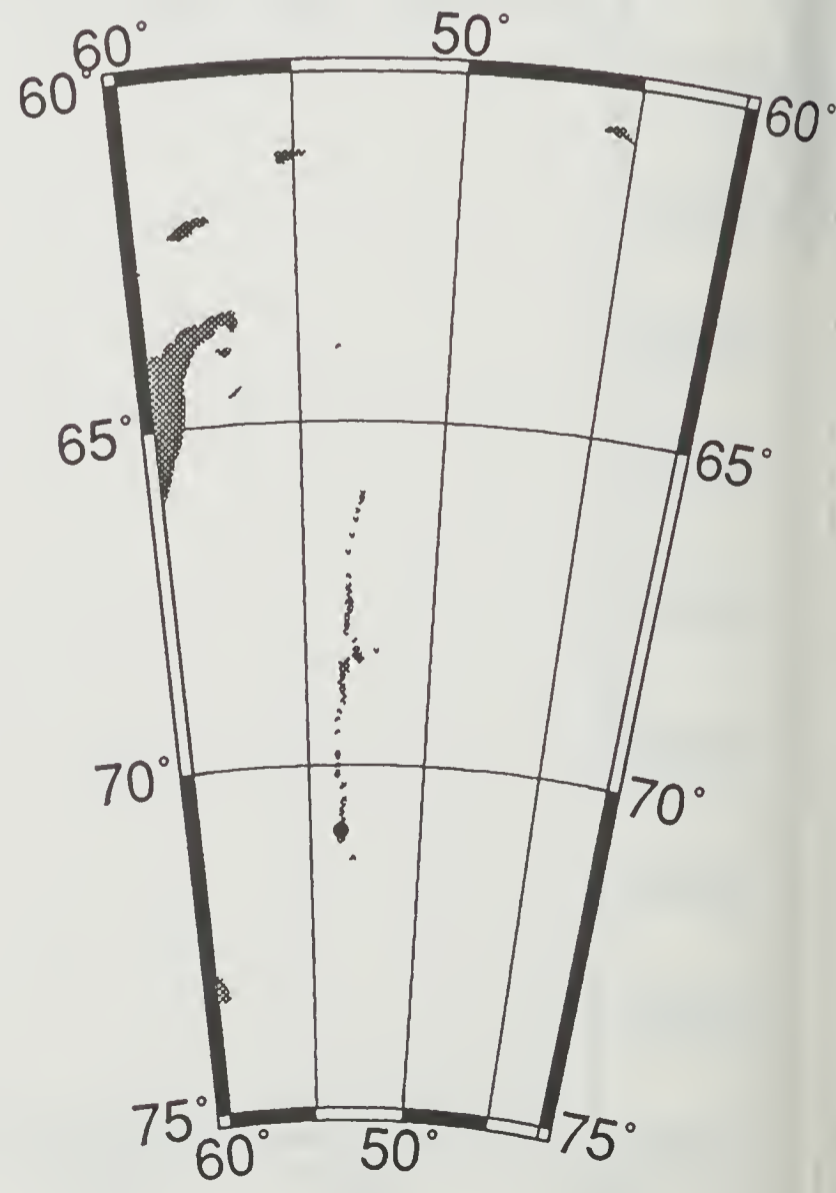
# potential temperature

-2.0    -1.5    -1.0    -0.5    0.0    0.5    1.0

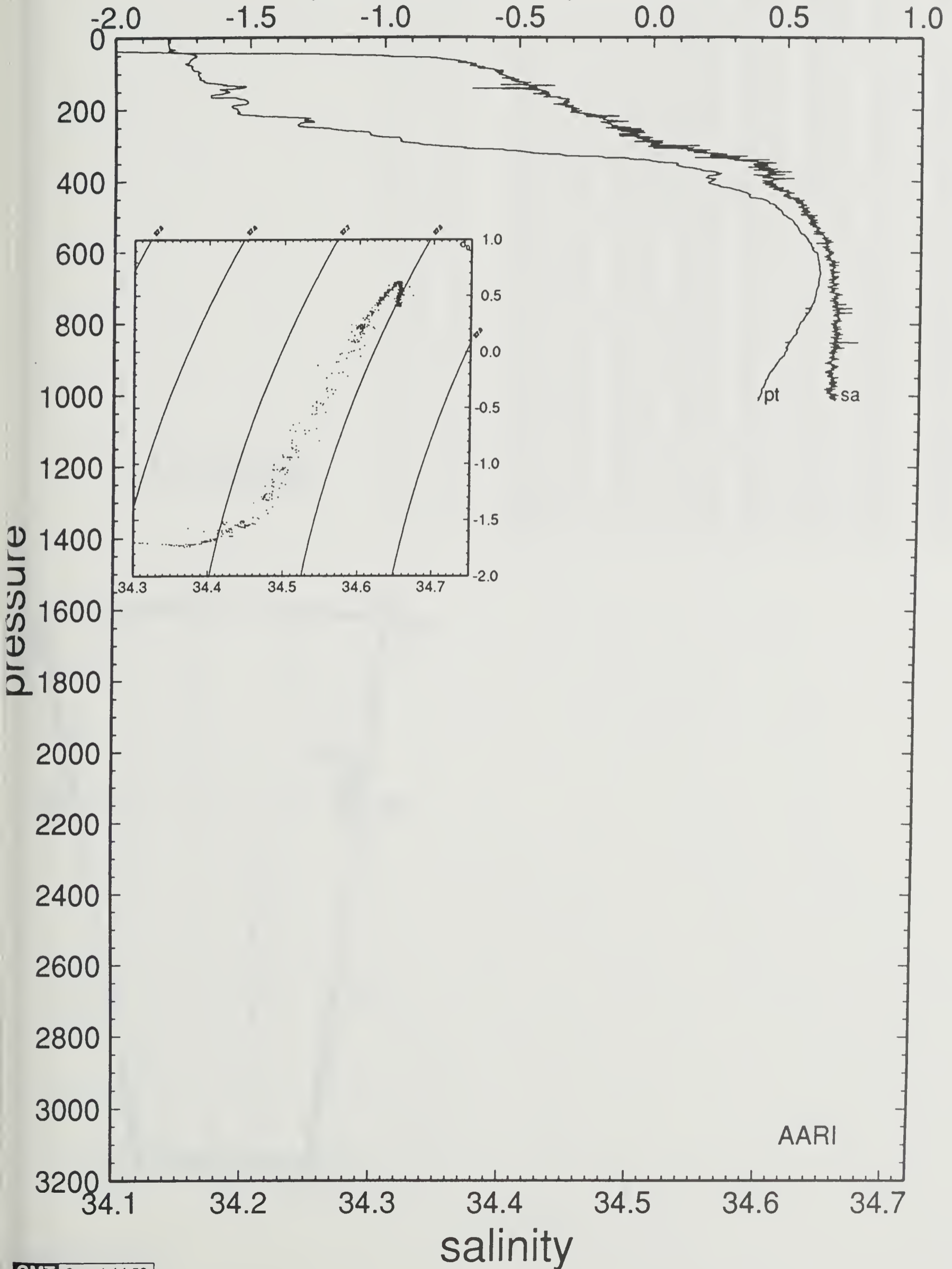


PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.782	-1.782	33.970	27.343	32.115	36.780	0.00	72.3	3.0	-2.1
10	-1.807	-1.807	33.983	27.354	32.127	36.792	1.87	71.1	-4.5	-5.6
20	-1.805	-1.805	33.983	27.354	32.127	36.792	-0.12	71.1	-6.9	-3.9
30	-1.802	-1.803	33.982	27.353	32.126	36.791	-0.53	71.1	-10.0	-3.2
40	-1.781	-1.782	34.129	27.472	32.243	36.906	6.10	59.8	-6.5	-2.6
50	-1.704	-1.705	34.290	27.601	32.368	37.027	6.35	47.5	-1.5	-3.5
60	-1.718	-1.719	34.349	27.650	32.416	37.076	3.89	42.9	4.2	-4.5
70	-1.728	-1.729	34.367	27.664	32.431	37.091	2.16	41.4	4.4	-4.2
80	-1.716	-1.718	34.372	27.668	32.435	37.094	1.08	41.0	3.0	-4.8
90	-1.713	-1.715	34.389	27.682	32.448	37.107	2.07	39.7	3.5	-6.8
100	-1.692	-1.694	34.394	27.685	32.451	37.109	1.03	39.3	6.3	-6.5
110	-1.687	-1.689	34.399	27.689	32.455	37.113	1.11	38.8	6.2	-5.1
120	-1.671	-1.674	34.403	27.692	32.457	37.114	0.93	38.5	4.8	-5.1
130	-1.594	-1.597	34.415	27.700	32.462	37.117	1.50	37.8	2.8	-5.6
140	-1.525	-1.528	34.419	27.701	32.461	37.114	0.52	37.7	3.7	-8.5
150	-1.581	-1.584	34.430	27.711	32.473	37.128	1.85	36.6	4.6	-8.2
160	-1.644	-1.648	34.432	27.715	32.479	37.135	1.09	36.2	4.0	-6.9
170	-1.542	-1.546	34.440	27.718	32.479	37.132	0.95	35.8	2.6	-7.4
180	-1.508	-1.512	34.446	27.722	32.482	37.134	1.07	35.5	2.8	-7.4
190	-1.564	-1.568	34.445	27.723	32.484	37.138	0.62	35.3	2.4	-7.6
200	-1.547	-1.552	34.454	27.730	32.490	37.144	1.45	34.6	3.3	-6.0
210	-1.545	-1.550	34.453	27.729	32.490	37.143	-0.52	34.6	0.9	-7.3
220	-1.415	-1.420	34.478	27.745	32.501	37.151	2.19	33.1	3.3	-7.5
230	-1.296	-1.302	34.474	27.738	32.491	37.136	-1.59	33.9	0.4	-6.2
240	-1.314	-1.320	34.477	27.741	32.494	37.140	1.00	33.5	2.7	-6.9
250	-1.267	-1.274	34.485	27.746	32.498	37.142	1.19	33.0	0.3	-9.6
260	-1.126	-1.133	34.488	27.743	32.491	37.131	-1.08	33.4	0.9	-8.4
270	-1.049	-1.057	34.492	27.744	32.489	37.127	-0.28	33.3	-1.1	-5.0
280	-0.939	-0.947	34.507	27.752	32.493	37.128	1.48	32.7	0.2	-7.3
290	-0.933	-0.942	34.512	27.756	32.497	37.131	1.09	32.3	0.9	-4.7
300	-0.840	-0.849	34.514	27.754	32.492	37.123	-0.96	32.5	-0.3	-5.3
325	-0.397	-0.408	34.560	27.771	32.496	37.114	1.30	31.2	2.5	-2.3
350	0.032	0.019	34.599	27.782	32.493	37.098	0.84	30.6	0.5	-8.7
375	0.215	0.200	34.604	27.776	32.482	37.081	-0.99	31.4	-3.6	-5.1
400	0.240	0.224	34.605	27.775	32.480	37.080	-0.32	31.4	1.6	-1.6
425	0.313	0.295	34.608	27.774	32.477	37.074	-0.56	31.7	2.4	-5.6
450	0.395	0.376	34.620	27.779	32.479	37.074	0.70	31.3	1.0	-7.6
475	0.476	0.455	34.625	27.778	32.476	37.069	-0.46	31.5	-2.4	-4.8
500	0.517	0.495	34.635	27.784	32.481	37.072	0.80	31.1	1.8	-4.8
550	0.580	0.555	34.639	27.783	32.478	37.068	-0.29	31.2	1.1	-5.2
600	0.628	0.601	34.649	27.789	32.482	37.070	0.53	30.9	-1.6	-6.0
650	0.651	0.621	34.650	27.788	32.481	37.069	-0.23	31.0	0.8	-5.3
700	0.647	0.614	34.652	27.790	32.483	37.071	0.36	30.9	-0.4	-5.9
750	0.630	0.595	34.654	27.793	32.487	37.075	0.45	30.7	-0.5	-6.0
800	0.589	0.551	34.652	27.794	32.489	37.079	0.36	30.6	-0.6	-7.5
850	0.557	0.517	34.655	27.799	32.495	37.085	0.58	30.2	0.5	-5.6
900	0.520	0.477	34.653	27.799	32.497	37.088	0.33	30.1	0.4	-6.4
950	0.481	0.436	34.655	27.803	32.502	37.094	0.57	29.6	0.8	-5.0
1000	0.456	0.408	34.654	27.804	32.503	37.097	0.32	29.5	2.3	-3.9

AARI 011

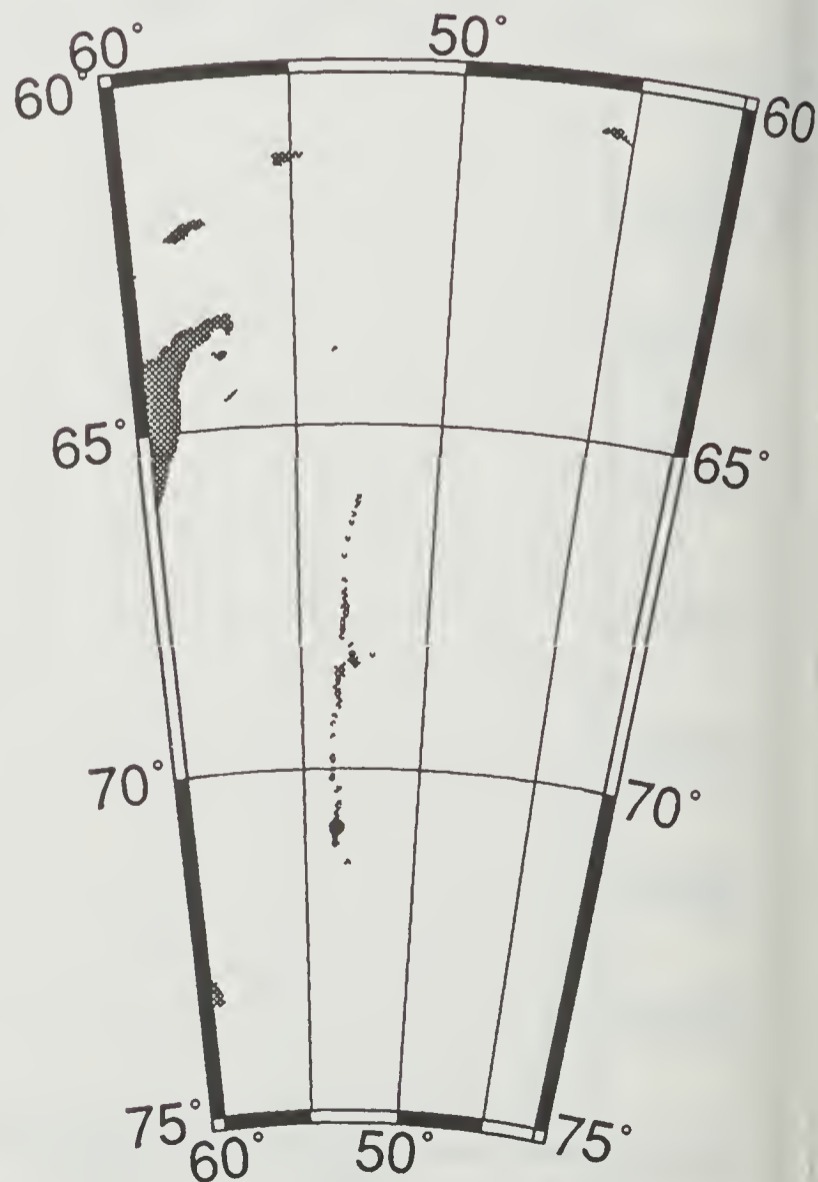


# potential temperature



ISW-1	-70.8573 S	-53.5728 W	93/03/12	72	15:43	RUSS_CTD	#12				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.789	-1.789	34.038	27.399	32.170	36.835	0.00	67.0	-5.6	1.1	
10	-1.833	-1.833	34.044	27.405	32.178	36.843	1.37	66.4	-4.0	-5.4	
20	-1.833	-1.833	34.044	27.405	32.178	36.843	0.04	66.3	-4.3	-2.5	
30	-1.811	-1.812	34.081	27.434	32.206	36.871	3.04	63.4	-2.8	-2.5	
40	-1.745	-1.746	34.249	27.569	32.337	36.998	6.49	50.6	-0.1	-3.4	
50	-1.725	-1.726	34.361	27.659	32.426	37.086	5.32	42.0	0.4	-0.3	
60	-1.749	-1.750	34.385	27.680	32.447	37.107	2.52	40.0	3.3	-0.1	
70	-1.756	-1.757	34.392	27.686	32.453	37.113	1.36	39.4	3.9	-1.5	
80	-1.756	-1.758	34.394	27.687	32.455	37.115	0.71	39.2	4.1	1.5	
90	-1.753	-1.755	34.395	27.688	32.455	37.115	0.48	39.1	3.7	4.4	
100	-1.745	-1.747	34.402	27.693	32.461	37.120	1.31	38.5	4.6	4.6	
110	-1.738	-1.740	34.406	27.696	32.463	37.123	0.97	38.2	4.4	3.5	
120	-1.726	-1.729	34.413	27.702	32.468	37.127	1.29	37.6	3.7	4.2	
130	-1.714	-1.717	34.418	27.706	32.472	37.130	1.07	37.2	3.2	4.1	
140	-1.706	-1.709	34.420	27.707	32.473	37.131	0.65	37.0	2.2	4.2	
150	-1.686	-1.689	34.428	27.713	32.478	37.136	1.35	36.4	1.3	3.2	
160	-1.654	-1.658	34.434	27.717	32.481	37.138	1.09	36.0	0.5	1.8	
170	-1.650	-1.654	34.440	27.722	32.485	37.142	1.22	35.5	1.1	1.4	
180	-1.628	-1.632	34.446	27.726	32.489	37.145	1.13	35.0	2.7	1.3	
190	-1.617	-1.621	34.454	27.732	32.495	37.150	1.38	34.4	2.9	1.0	
200	-1.605	-1.610	34.459	27.736	32.498	37.153	1.07	34.0	1.8	2.6	
210	-1.428	-1.433	34.470	27.739	32.496	37.145	0.84	33.8	0.5	2.8	
220	-1.401	-1.406	34.471	27.739	32.495	37.144	-0.27	33.7	-1.4	1.9	
230	-1.337	-1.343	34.477	27.742	32.496	37.142	0.85	33.5	2.3	0.5	
240	-1.238	-1.244	34.493	27.752	32.502	37.146	1.66	32.6	2.4	0.7	
250	-1.240	-1.247	34.491	27.750	32.501	37.144	-0.69	32.7	-1.0	2.9	
260	-1.312	-1.319	34.486	27.748	32.501	37.147	-0.55	32.7	-2.5	0.1	
270	-1.305	-1.312	34.490	27.751	32.504	37.150	0.96	32.4	-0.9	-0.9	
280	-1.200	-1.208	34.506	27.761	32.510	37.152	1.62	31.6	1.8	-1.2	
290	-1.070	-1.078	34.514	27.763	32.508	37.146	0.42	31.5	0.9	0.9	
300	-0.921	-0.930	34.542	27.779	32.520	37.154	2.20	30.0	-1.1	-0.1	
325	-0.189	-0.201	34.578	27.776	32.494	37.106	-1.15	31.0	-0.9	1.3	
350	0.048	0.034	34.609	27.789	32.499	37.104	1.14	30.0	3.3	-0.3	
375	-0.018	-0.032	34.607	27.791	32.503	37.110	0.58	29.7	0.9	-4.3	
400	0.178	0.162	34.623	27.793	32.500	37.101	0.15	29.7	-2.2	-2.5	
425	0.300	0.282	34.636	27.797	32.500	37.097	0.53	29.5	0.6	0.1	
450	0.354	0.335	34.641	27.798	32.499	37.095	0.20	29.5	1.7	-2.5	
475	0.374	0.354	34.644	27.799	32.500	37.095	0.37	29.4	1.4	-2.0	
500	0.441	0.419	34.651	27.801	32.500	37.093	0.33	29.3	0.2	-0.8	
550	0.541	0.516	34.663	27.805	32.501	37.091	0.38	29.2	-0.5	-1.4	
600	0.580	0.553	34.667	27.806	32.501	37.090	0.16	29.2	-1.8	-1.8	
650	0.606	0.576	34.673	27.810	32.504	37.092	0.43	29.0	-0.3	-2.9	
700	0.630	0.597	34.676	27.811	32.504	37.092	0.21	29.0	-2.0	-1.6	
750	0.616	0.581	34.679	27.814	32.508	37.096	0.48	28.7	0.1	-0.6	
800	0.579	0.541	34.678	27.816	32.511	37.100	0.39	28.6	-0.6	-0.5	
850	0.565	0.525	34.678	27.817	32.512	37.102	0.30	28.5	-4.5	-2.5	
900	0.549	0.506	34.678	27.818	32.514	37.104	0.32	28.4	-0.8	-2.1	
950	0.519	0.473	34.676	27.818	32.515	37.107	0.28	28.4	-0.9	-3.2	
1000	0.490	0.442	34.677	27.821	32.519	37.111	0.47	28.1	-1.0	0.6	

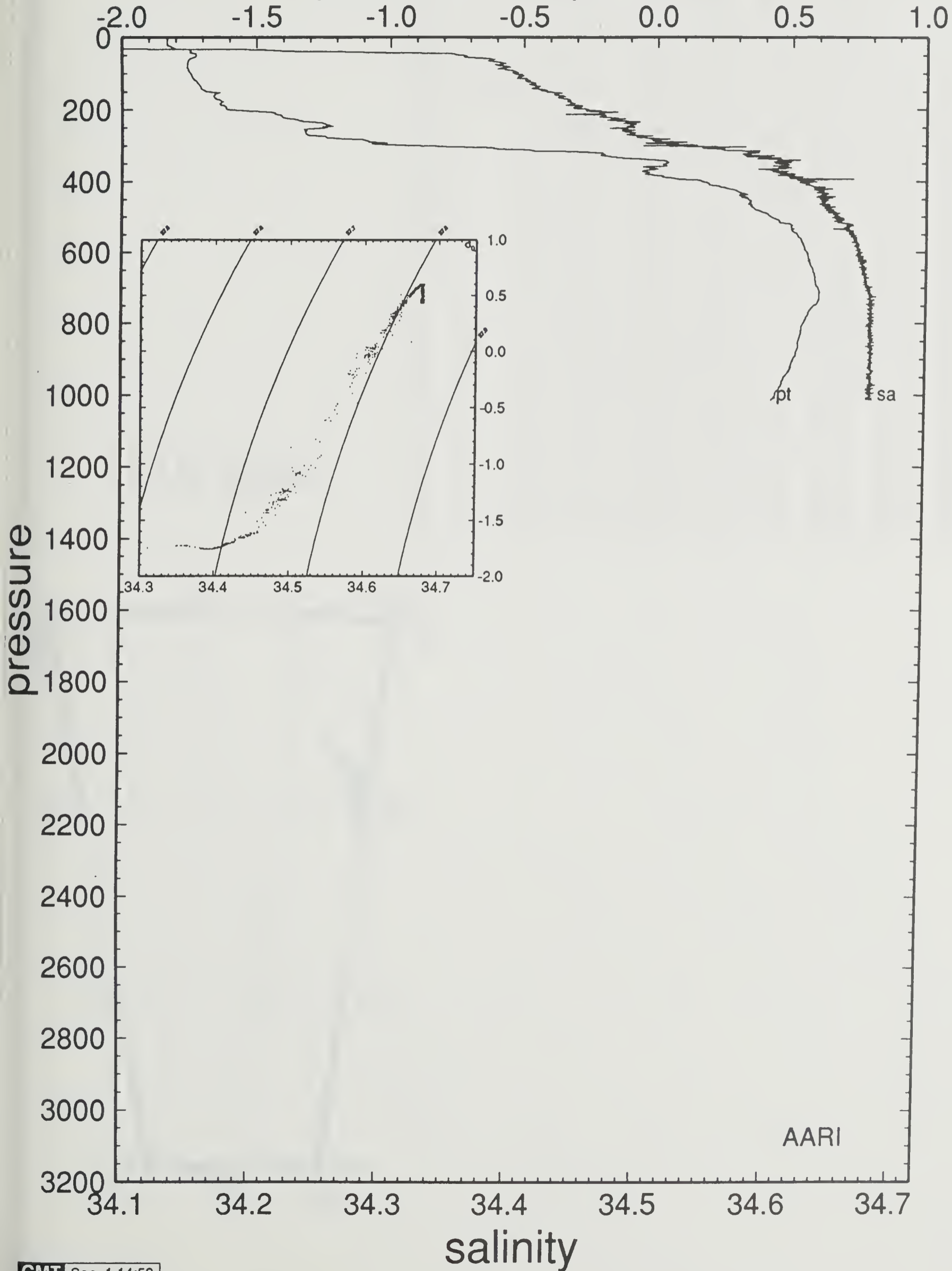
AARI 012





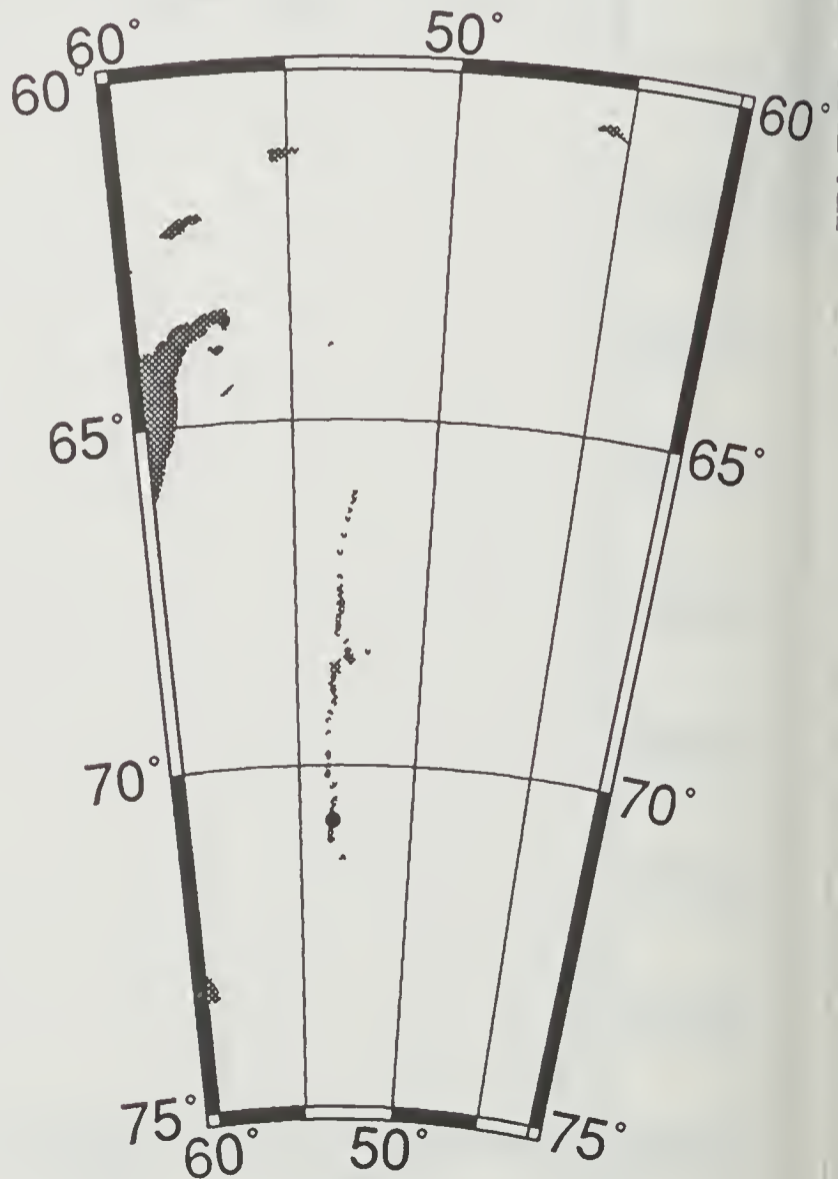
12 93/03/12 15:43 70 51.44 S 53 34.37 W

# potential temperature

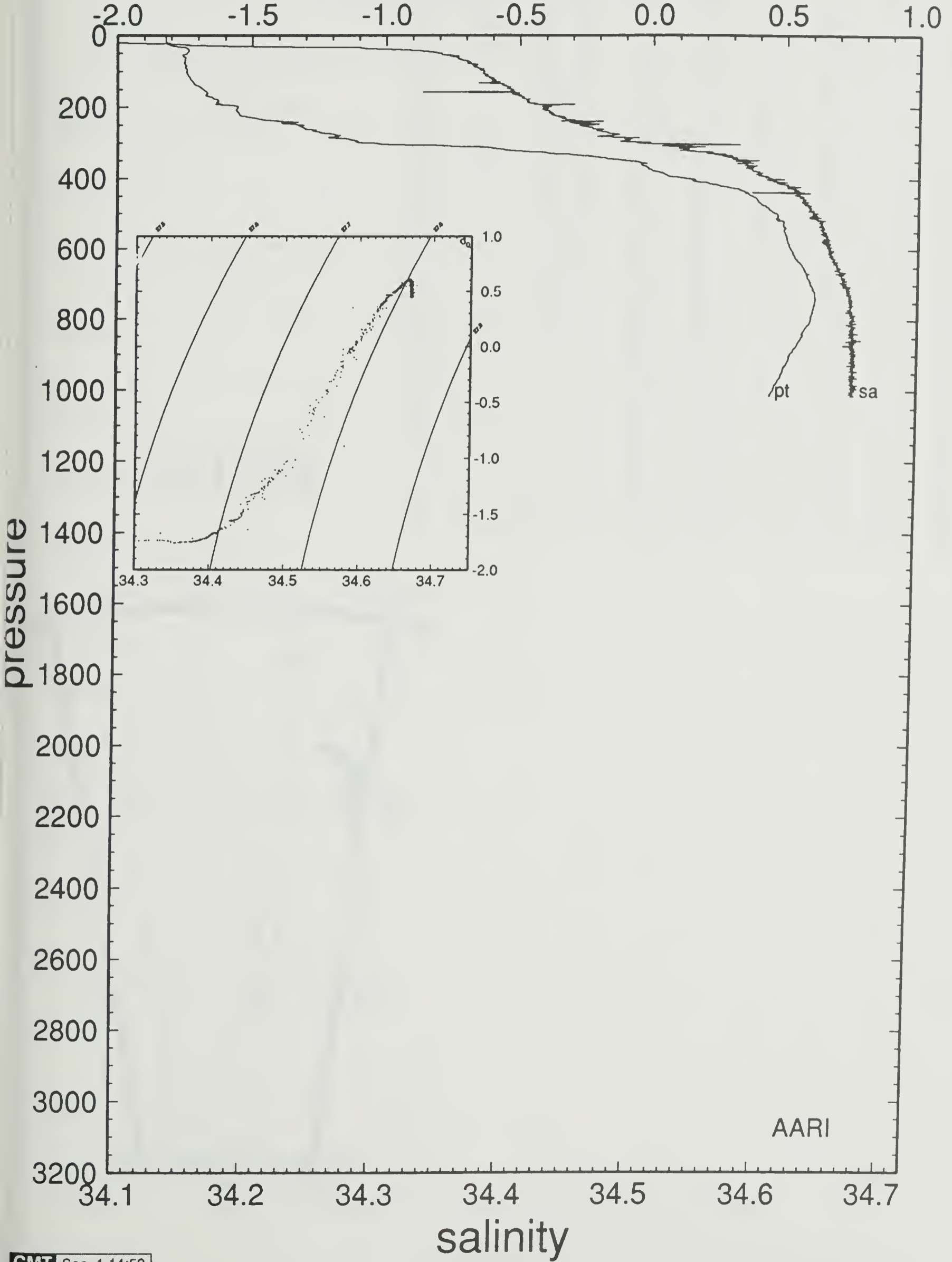


ISW-1	-70.809 S	-53.5167 W	93/03/13	73	15:45	RUSS CTD	# 13				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.815	-1.815	34.048	27.407	32.180	36.845	0.00	66.2	-0.2	-4.8	
10	-1.822	-1.822	34.062	27.419	32.191	36.857	1.90	65.0	-2.8	-5.8	
20	-1.819	-1.819	34.081	27.434	32.207	36.871	2.19	63.5	-2.8	-3.1	
30	-1.799	-1.800	34.170	27.506	32.277	36.940	4.74	56.6	-1.4	-2.5	
40	-1.737	-1.738	34.315	27.622	32.390	37.050	6.03	45.6	-0.0	-1.7	
50	-1.742	-1.743	34.347	27.649	32.416	37.076	2.86	43.0	0.6	-3.9	
60	-1.756	-1.757	34.359	27.659	32.427	37.087	1.78	42.0	-1.5	-4.0	
70	-1.749	-1.750	34.367	27.665	32.433	37.093	1.40	41.4	-1.4	-4.2	
80	-1.750	-1.752	34.373	27.670	32.437	37.098	1.24	40.8	-0.6	-2.9	
90	-1.748	-1.750	34.377	27.673	32.441	37.101	1.00	40.5	0.2	-3.4	
100	-1.743	-1.745	34.382	27.677	32.444	37.104	1.11	40.0	1.4	-3.5	
110	-1.737	-1.739	34.385	27.679	32.446	37.106	0.84	39.8	2.2	-2.0	
120	-1.729	-1.732	34.387	27.681	32.448	37.107	0.66	39.6	3.8	-0.0	
130	-1.719	-1.722	34.394	27.686	32.453	37.112	1.30	39.0	1.1	-0.6	
140	-1.704	-1.707	34.399	27.690	32.456	37.114	1.06	38.6	2.2	-2.4	
150	-1.682	-1.685	34.404	27.693	32.458	37.116	1.02	38.3	3.6	-1.5	
160	-1.666	-1.669	34.408	27.696	32.461	37.118	0.92	37.9	2.6	-0.6	
170	-1.664	-1.668	34.410	27.698	32.462	37.119	0.70	37.7	2.4	-0.4	
180	-1.626	-1.630	34.416	27.701	32.465	37.121	1.06	37.4	2.0	-1.0	
190	-1.628	-1.632	34.420	27.705	32.468	37.124	1.02	37.0	2.4	-2.5	
200	-1.549	-1.554	34.433	27.713	32.474	37.127	1.55	36.2	3.5	-2.6	
210	-1.556	-1.561	34.432	27.712	32.473	37.127	-0.41	36.2	3.4	-1.9	
220	-1.545	-1.550	34.434	27.714	32.474	37.128	0.62	36.0	3.0	-0.9	
230	-1.497	-1.503	34.443	27.720	32.479	37.130	1.31	35.5	1.3	-2.2	
240	-1.384	-1.390	34.457	27.727	32.483	37.131	1.47	34.8	2.2	-4.0	
250	-1.309	-1.315	34.469	27.735	32.487	37.133	1.44	34.1	4.4	-3.2	
260	-1.298	-1.305	34.466	27.732	32.484	37.130	-0.95	34.3	1.4	-0.0	
270	-1.245	-1.252	34.474	27.736	32.487	37.131	1.15	33.9	3.4	-3.9	
280	-1.170	-1.178	34.483	27.741	32.490	37.131	1.12	33.5	1.0	-0.7	
290	-1.129	-1.137	34.491	27.746	32.493	37.134	1.20	33.0	2.2	-4.6	
300	-1.059	-1.068	34.506	27.756	32.501	37.139	1.67	32.1	3.9	-1.0	
325	-0.466	-0.477	34.543	27.761	32.487	37.108	-0.26	32.1	3.4	-2.1	
350	-0.105	-0.118	34.590	27.781	32.497	37.106	1.45	30.5	-0.0	1.1	
375	0.000	-0.014	34.590	27.776	32.488	37.095	-0.90	31.1	1.5	-4.9	
400	0.138	0.122	34.605	27.781	32.489	37.091	0.63	30.8	4.3	0.5	
425	0.293	0.275	34.626	27.789	32.493	37.090	0.90	30.2	0.6	1.1	
450	0.390	0.371	34.627	27.785	32.485	37.080	-0.86	30.8	4.2	-0.4	
475	0.431	0.411	34.633	27.787	32.486	37.080	0.50	30.6	0.3	-3.5	
500	0.487	0.465	34.638	27.788	32.486	37.078	0.04	30.6	0.4	-2.4	
550	0.518	0.494	34.646	27.793	32.490	37.081	0.52	30.3	0.9	-1.0	
600	0.545	0.518	34.650	27.795	32.491	37.081	0.29	30.2	0.9	-1.2	
650	0.593	0.563	34.657	27.797	32.492	37.081	0.36	30.1	2.5	-1.0	
700	0.626	0.593	34.663	27.800	32.494	37.082	0.38	29.9	0.3	-1.5	
750	0.646	0.611	34.666	27.802	32.495	37.083	0.25	29.9	0.2	-4.5	
800	0.633	0.595	34.669	27.805	32.499	37.087	0.48	29.7	1.7	-3.2	
850	0.602	0.561	34.670	27.808	32.503	37.092	0.48	29.4	3.3	-2.2	
900	0.561	0.518	34.669	27.810	32.506	37.096	0.43	29.2	0.7	-3.6	
950	0.536	0.490	34.669	27.811	32.508	37.099	0.39	29.0	2.1	-4.2	
1000	0.505	0.457	34.670	27.814	32.512	37.104	0.48	28.7	2.3	-1.7	

AARI 013

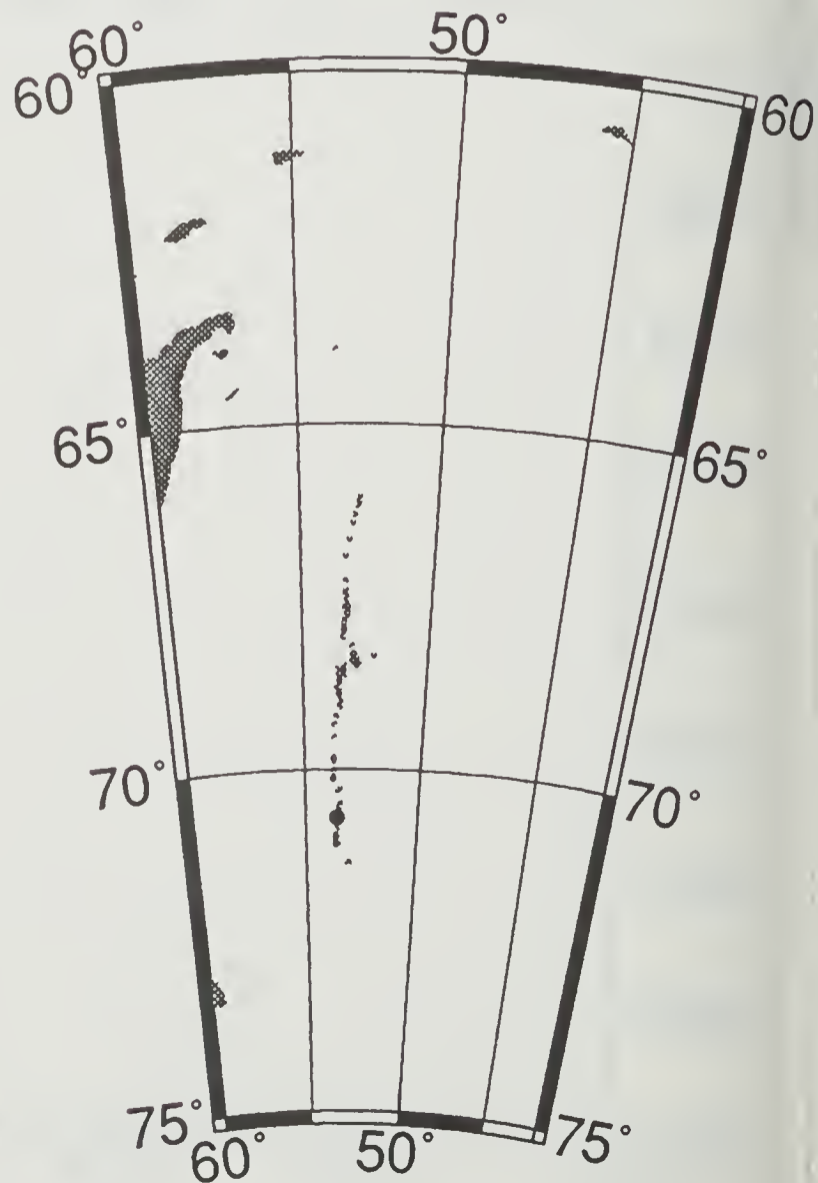


# potential temperature

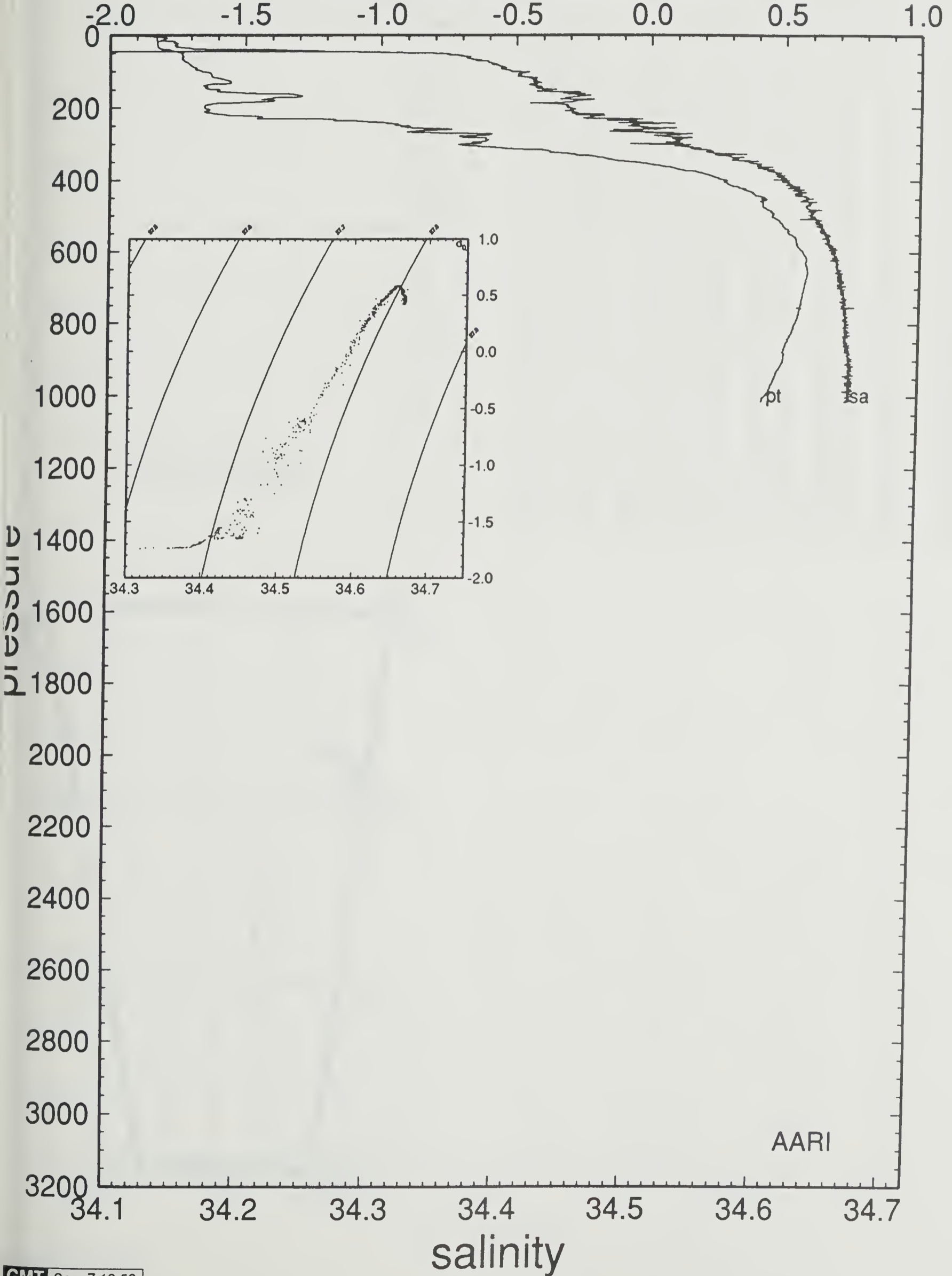


ISW-1	-70.703 S	-53.6038 W	93/03/14	74	16:54	RUSS CTD	#14				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.825	-1.825	34.122	27.468	32.240	36.905	0.00	60.4	12.6	-8.3	
10	-1.828	-1.828	34.142	27.484	32.256	36.921	2.26	58.8	6.9	-9.6	
20	-1.827	-1.827	34.149	27.490	32.262	36.926	1.33	58.2	5.5	-8.0	
30	-1.825	-1.826	34.150	27.491	32.262	36.927	0.49	58.1	3.1	-5.3	
40	-1.797	-1.798	34.197	27.528	32.299	36.962	3.42	54.5	4.8	-5.5	
50	-1.734	-1.735	34.330	27.635	32.402	37.062	5.77	44.4	9.4	-6.5	
60	-1.731	-1.732	34.374	27.670	32.437	37.097	3.34	40.9	10.0	-9.8	
70	-1.728	-1.729	34.378	27.673	32.440	37.100	1.00	40.6	8.1	-9.3	
80	-1.708	-1.710	34.393	27.685	32.451	37.110	1.90	39.4	8.1	-6.3	
90	-1.689	-1.691	34.401	27.691	32.456	37.114	1.36	38.8	11.4	-6.6	
100	-1.664	-1.666	34.405	27.694	32.458	37.115	0.88	38.5	7.9	-6.7	
110	-1.625	-1.627	34.411	27.697	32.461	37.117	1.06	38.1	7.4	-5.2	
120	-1.601	-1.604	34.420	27.704	32.466	37.122	1.43	37.4	9.9	-5.7	
130	-1.553	-1.556	34.427	27.708	32.469	37.123	1.13	37.0	8.1	-6.4	
140	-1.653	-1.656	34.423	27.708	32.472	37.129	0.23	36.9	7.4	-5.9	
150	-1.626	-1.629	34.438	27.719	32.482	37.138	1.88	35.8	7.6	-5.6	
160	-1.496	-1.500	34.446	27.722	32.481	37.133	0.77	35.6	8.4	-4.9	
170	-1.295	-1.299	34.457	27.724	32.477	37.122	0.64	35.4	9.3	-3.2	
180	-1.395	-1.399	34.461	27.731	32.486	37.135	1.50	34.7	9.6	-4.6	
190	-1.620	-1.624	34.444	27.724	32.487	37.143	-1.30	35.2	9.6	-4.9	
200	-1.647	-1.651	34.450	27.730	32.493	37.150	1.35	34.6	9.0	-5.8	
210	-1.638	-1.643	34.451	27.730	32.494	37.150	0.39	34.5	9.9	-5.7	
220	-1.571	-1.576	34.460	27.736	32.497	37.151	1.23	34.0	9.1	-5.3	
230	-1.454	-1.460	34.463	27.734	32.492	37.142	-0.80	34.1	9.9	-5.8	
240	-1.015	-1.022	34.504	27.752	32.496	37.133	2.13	32.7	8.8	-6.9	
250	-0.896	-0.903	34.501	27.745	32.485	37.118	-1.58	33.4	7.7	-6.5	
260	-0.744	-0.752	34.509	27.745	32.481	37.109	-0.54	33.5	8.8	-4.3	
270	-0.810	-0.818	34.509	27.748	32.485	37.116	1.02	33.1	6.7	-5.1	
280	-0.702	-0.711	34.523	27.755	32.489	37.116	1.36	32.5	8.3	-3.8	
290	-0.596	-0.605	34.533	27.759	32.489	37.113	0.90	32.3	8.8	-3.0	
300	-0.660	-0.670	34.513	27.745	32.478	37.104	-2.00	33.5	7.6	-3.0	
325	-0.334	-0.345	34.560	27.768	32.491	37.107	1.58	31.5	10.2	-0.2	
350	-0.065	-0.078	34.589	27.779	32.493	37.101	0.96	30.8	10.9	-4.6	
375	0.150	0.135	34.606	27.781	32.489	37.090	0.05	30.8	9.2	-5.9	
400	0.296	0.280	34.619	27.783	32.487	37.084	0.31	30.7	9.1	-1.8	
425	0.361	0.343	34.624	27.784	32.485	37.081	-0.22	30.8	6.5	-0.6	
450	0.443	0.424	34.634	27.787	32.486	37.079	0.54	30.6	8.9	-4.0	
475	0.438	0.418	34.633	27.787	32.486	37.079	-0.21	30.6	9.1	-3.4	
500	0.473	0.451	34.637	27.788	32.486	37.078	0.31	30.6	9.4	-2.2	
550	0.543	0.518	34.648	27.793	32.489	37.079	0.49	30.3	8.8	-2.5	
600	0.594	0.567	34.653	27.794	32.489	37.078	0.13	30.3	6.4	-2.3	
650	0.613	0.583	34.659	27.798	32.492	37.080	0.47	30.1	9.4	-1.2	
700	0.604	0.571	34.660	27.799	32.494	37.082	0.33	30.0	6.6	-0.2	
750	0.593	0.558	34.662	27.802	32.497	37.086	0.41	29.8	6.5	-0.3	
800	0.577	0.539	34.666	27.806	32.501	37.091	0.54	29.4	9.3	1.0	
850	0.550	0.510	34.664	27.806	32.502	37.093	0.24	29.4	7.6	1.1	
900	0.542	0.499	34.667	27.809	32.506	37.097	0.45	29.2	9.8	0.1	
950	0.512	0.466	34.667	27.811	32.509	37.100	0.42	29.0	9.4	0.5	
1000	0.480	0.432	34.667	27.813	32.512	37.104	0.43	28.8	7.6	0.3	

AARI 014



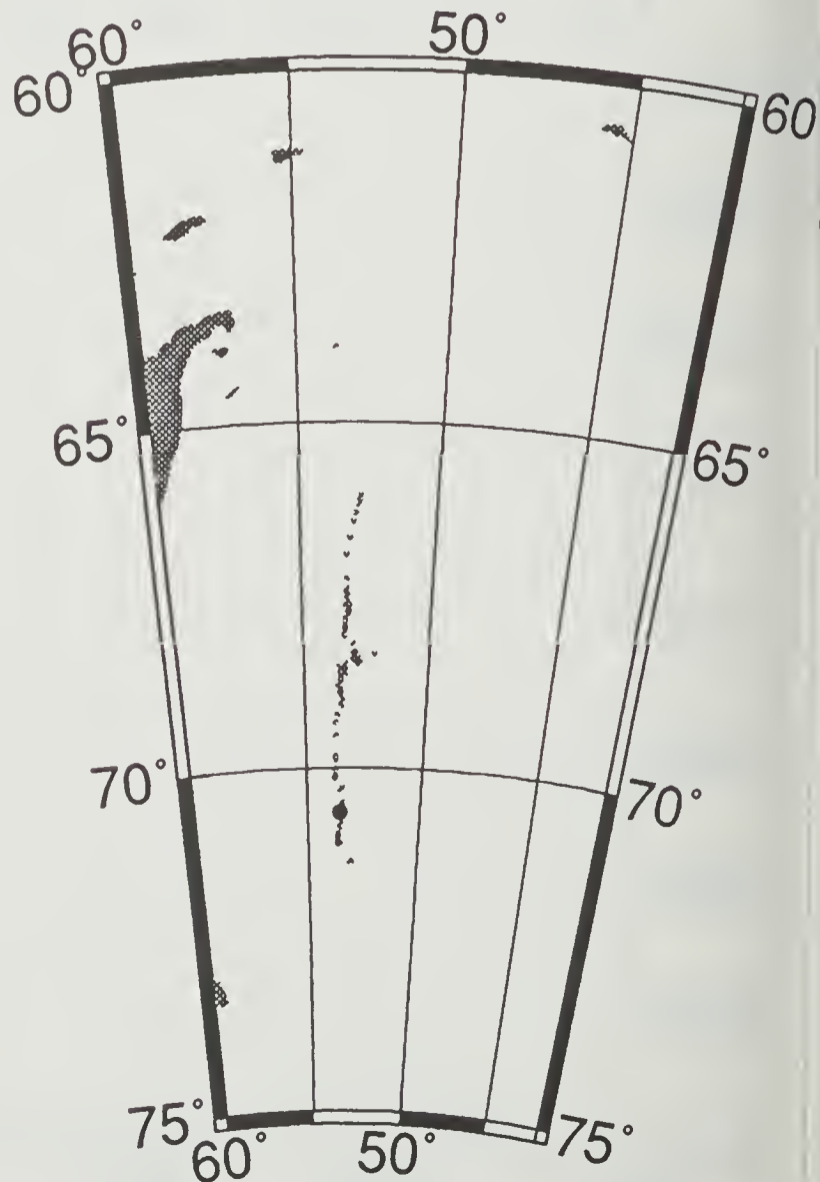
# potential temperature



AARI

ISW-1	-70.6393 S	-53.55 W	93/03/15	75	16:14	RUSS	CTD # 15				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.817	-1.817	34.153	27.493	32.264	36.928	0.00	58.1	10.8	-6.5	
10	-1.825	-1.825	34.158	27.497	32.269	36.933	1.16	57.6	3.9	-6.7	
20	-1.825	-1.825	34.162	27.500	32.272	36.936	1.01	57.2	6.5	-10.1	
30	-1.825	-1.826	34.161	27.500	32.271	36.936	-0.50	57.3	3.4	-6.6	
40	-1.746	-1.747	34.302	27.612	32.380	37.041	5.93	46.5	6.7	-4.9	
50	-1.736	-1.737	34.370	27.667	32.434	37.094	4.15	41.3	8.7	-4.3	
60	-1.736	-1.737	34.388	27.682	32.449	37.108	2.14	39.8	4.8	-2.8	
70	-1.721	-1.722	34.395	27.687	32.453	37.113	1.28	39.3	7.7	-0.5	
80	-1.699	-1.701	34.405	27.695	32.460	37.118	1.53	38.5	6.8	-2.9	
90	-1.682	-1.684	34.410	27.698	32.463	37.121	1.05	38.1	5.0	0.3	
100	-1.657	-1.659	34.418	27.704	32.468	37.125	1.34	37.5	6.4	0.6	
110	-1.625	-1.627	34.427	27.710	32.473	37.129	1.40	36.9	5.2	-3.4	
120	-1.567	-1.570	34.436	27.716	32.477	37.131	1.30	36.3	3.9	-1.4	
130	-1.569	-1.572	34.441	27.720	32.481	37.135	1.14	35.9	3.8	-0.2	
140	-1.609	-1.612	34.441	27.721	32.484	37.139	0.66	35.7	5.3	0.6	
150	-1.644	-1.647	34.450	27.730	32.493	37.149	1.63	34.8	5.5	-0.2	
160	-1.646	-1.650	34.448	27.728	32.492	37.148	-0.70	34.9	3.3	-0.5	
170	-1.639	-1.643	34.451	27.730	32.494	37.150	0.83	34.7	4.5	1.3	
180	-1.643	-1.647	34.453	27.732	32.496	37.152	0.74	34.5	5.3	0.2	
190	-1.676	-1.680	34.454	27.734	32.498	37.156	0.79	34.2	5.1	-0.7	
200	-1.669	-1.673	34.453	27.733	32.497	37.154	-0.57	34.3	4.5	0.7	
210	-1.618	-1.623	34.465	27.741	32.504	37.159	1.57	33.5	3.6	-0.8	
220	-1.588	-1.593	34.464	27.739	32.501	37.156	-0.77	33.6	4.5	0.5	
230	-1.630	-1.635	34.465	27.741	32.504	37.160	0.86	33.3	4.1	0.8	
240	-1.549	-1.555	34.474	27.746	32.507	37.160	1.16	32.9	3.5	1.2	
250	-1.397	-1.403	34.478	27.745	32.500	37.149	-0.93	33.1	4.0	1.4	
260	-1.322	-1.329	34.491	27.753	32.506	37.152	1.52	32.3	4.5	1.2	
270	-1.200	-1.207	34.503	27.758	32.508	37.150	1.18	31.9	5.2	3.0	
280	-1.052	-1.060	34.501	27.751	32.496	37.134	-1.61	32.6	5.2	2.2	
290	-0.778	-0.787	34.538	27.770	32.506	37.136	2.28	31.0	5.1	0.2	
300	-0.506	-0.516	34.542	27.762	32.490	37.111	-1.86	32.0	4.6	-0.7	
325	-0.151	-0.163	34.588	27.782	32.499	37.109	1.45	30.4	5.7	5.9	
350	0.123	0.109	34.609	27.785	32.493	37.096	-0.12	30.4	4.1	5.5	
375	0.291	0.276	34.624	27.788	32.491	37.089	0.36	30.3	1.6	3.8	
400	0.395	0.378	34.630	27.787	32.487	37.081	-0.53	30.5	2.3	2.2	
425	0.425	0.407	34.634	27.788	32.488	37.081	0.39	30.5	2.4	4.2	
450	0.401	0.382	34.631	27.787	32.487	37.082	-0.28	30.5	6.8	1.9	
475	0.413	0.393	34.638	27.792	32.492	37.086	0.78	30.1	1.6	4.7	
500	0.474	0.452	34.641	27.791	32.489	37.082	-0.49	30.3	3.2	5.0	
550	0.535	0.510	34.650	27.795	32.491	37.082	0.42	30.1	2.9	3.8	
600	0.584	0.557	34.657	27.798	32.493	37.082	0.36	30.0	5.2	2.5	
650	0.593	0.563	34.660	27.800	32.494	37.083	0.34	29.9	4.5	3.5	
700	0.594	0.561	34.664	27.803	32.498	37.087	0.46	29.6	5.3	3.1	
750	0.580	0.545	34.666	27.806	32.501	37.090	0.43	29.4	2.9	3.4	
800	0.561	0.523	34.666	27.807	32.503	37.093	0.33	29.3	7.6	2.1	
850	0.541	0.501	34.666	27.808	32.505	37.096	0.34	29.2	4.3	-0.3	
900	0.525	0.482	34.668	27.811	32.508	37.099	0.45	29.0	8.2	2.5	
950	0.489	0.444	34.666	27.812	32.510	37.102	0.33	28.9	6.8	1.2	
1000	0.453	0.405	34.667	27.815	32.514	37.108	0.51	28.5	3.9	1.9	

AARI 015



15

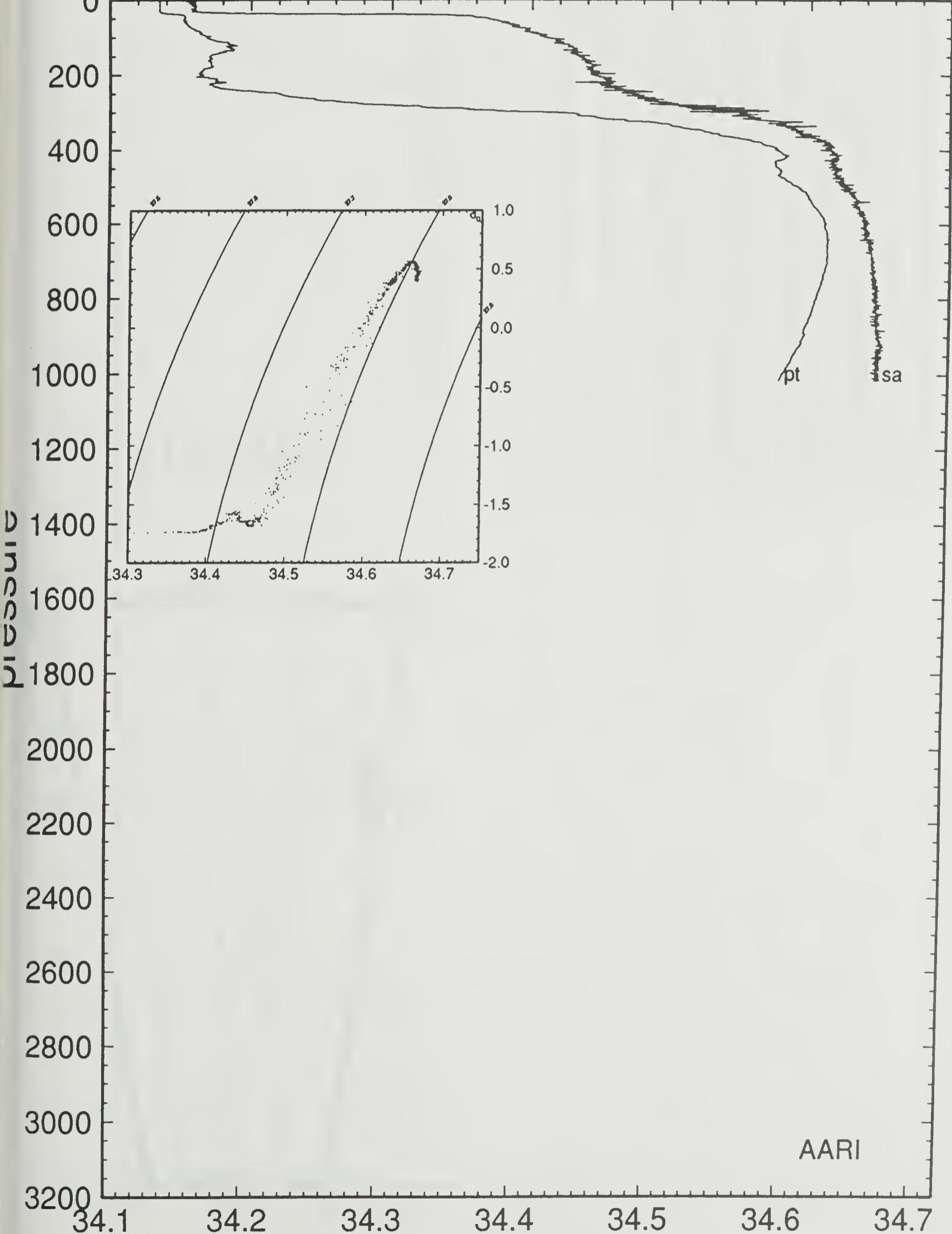
93/03/15 16:14

70 38.36 S 53 33.00 W

AARI

# potential temperature

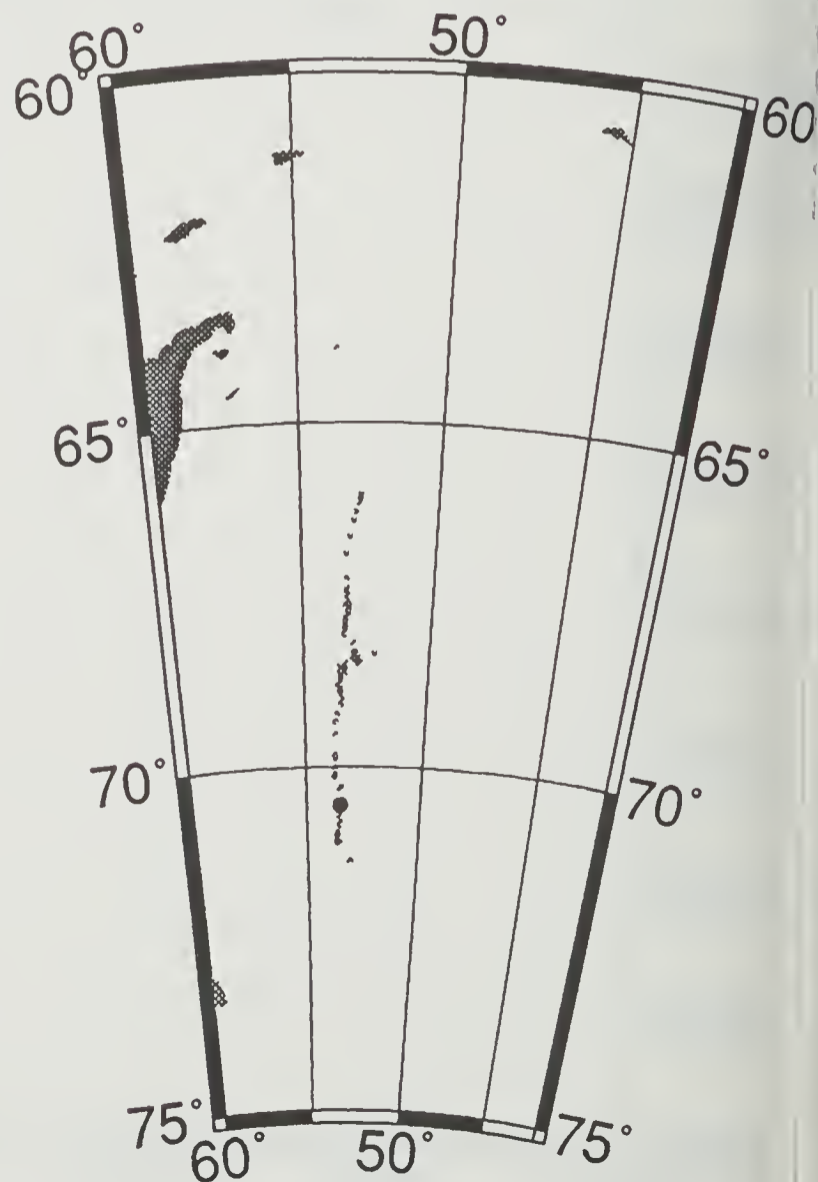
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AARI

ISW-1	-70.5533 S	-53.5258 W	93/03/16	76	15:33	RUSS_CTD	# 16				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.817	-1.817	34.148	27.489	32.260	36.924	0.00	58.5	9.1	-7.8	
10	-1.822	-1.822	34.155	27.495	32.266	36.931	1.35	57.9	3.8	-9.6	
20	-1.821	-1.821	34.156	27.495	32.267	36.931	0.50	57.7	2.6	-9.1	
30	-1.809	-1.810	34.170	27.506	32.278	36.941	1.86	56.6	3.2	-8.7	
40	-1.704	-1.705	34.359	27.657	32.423	37.082	6.87	42.3	3.2	-11.5	
50	-1.681	-1.682	34.413	27.701	32.465	37.123	3.68	38.1	5.1	-13.5	
60	-1.681	-1.682	34.415	27.702	32.467	37.125	0.71	37.9	6.7	-15.1	
70	-1.662	-1.663	34.425	27.710	32.474	37.131	1.54	37.2	6.0	-16.9	
80	-1.643	-1.645	34.426	27.710	32.474	37.130	0.26	37.1	5.6	-15.6	
90	-1.627	-1.629	34.432	27.714	32.478	37.133	1.17	36.6	2.6	-16.0	
100	-1.643	-1.645	34.450	27.730	32.493	37.149	2.18	35.1	3.1	-16.0	
110	-1.671	-1.673	34.452	27.732	32.496	37.153	0.89	34.8	1.1	-12.8	
120	-1.667	-1.670	34.454	27.733	32.498	37.155	0.69	34.6	4.6	-12.7	
130	-1.630	-1.633	34.473	27.748	32.511	37.166	2.11	33.2	2.6	-11.4	
140	-1.588	-1.591	34.466	27.741	32.503	37.157	-1.49	33.9	3.1	-11.0	
150	-1.622	-1.625	34.466	27.742	32.505	37.160	0.61	33.7	3.7	-11.0	
160	-1.596	-1.600	34.473	27.747	32.509	37.163	1.22	33.2	3.9	-10.3	
170	-1.615	-1.619	34.471	27.746	32.508	37.163	-0.54	33.2	3.4	-11.9	
180	-1.521	-1.525	34.477	27.748	32.507	37.160	0.68	33.0	2.8	-11.6	
190	-1.492	-1.497	34.481	27.750	32.509	37.160	0.82	32.8	3.7	-9.8	
200	-1.413	-1.418	34.499	27.762	32.518	37.167	1.90	31.6	4.5	-7.5	
210	-1.307	-1.312	34.498	27.758	32.511	37.156	-1.25	32.1	3.8	-10.8	
220	-1.325	-1.331	34.495	27.756	32.509	37.156	-0.73	32.2	2.9	-10.7	
230	-0.880	-0.887	34.533	27.770	32.510	37.142	1.87	31.1	2.9	-10.6	
240	-1.053	-1.060	34.520	27.767	32.511	37.149	-0.88	31.3	2.5	-8.1	
250	-1.036	-1.043	34.536	27.779	32.523	37.160	1.95	30.1	3.8	-5.5	
260	-0.877	-0.885	34.531	27.769	32.508	37.140	-1.90	31.2	5.7	-7.4	
270	-0.728	-0.736	34.541	27.771	32.505	37.133	0.48	31.1	4.3	-7.2	
280	-0.707	-0.716	34.548	27.776	32.509	37.137	1.20	30.6	3.6	-7.9	
290	-0.496	-0.506	34.564	27.779	32.506	37.127	0.75	30.4	2.5	-5.7	
300	-0.253	-0.264	34.585	27.785	32.504	37.118	1.01	30.1	2.3	-4.8	
325	0.244	0.231	34.622	27.789	32.493	37.092	-0.33	30.2	8.2	-7.1	
350	0.346	0.332	34.635	27.793	32.495	37.091	0.68	29.8	2.9	-7.3	
375	0.408	0.392	34.638	27.792	32.492	37.086	-0.47	30.0	2.2	-5.8	
400	0.446	0.429	34.641	27.793	32.491	37.084	-0.14	30.1	2.9	-7.4	
425	0.475	0.457	34.644	27.793	32.491	37.083	0.23	30.0	5.9	-4.6	
450	0.508	0.488	34.648	27.795	32.492	37.083	0.34	30.0	2.4	-3.8	
475	0.532	0.511	34.653	27.797	32.494	37.084	0.54	29.8	5.7	-6.2	
500	0.536	0.514	34.653	27.797	32.493	37.084	-0.16	29.8	3.5	-4.9	
550	0.573	0.548	34.658	27.799	32.494	37.084	0.30	29.8	4.9	-4.8	
600	0.629	0.601	34.664	27.801	32.494	37.082	0.21	29.8	4.2	-5.6	
650	0.629	0.599	34.670	27.806	32.499	37.087	0.56	29.4	6.0	-4.1	
700	0.581	0.549	34.666	27.806	32.501	37.090	0.23	29.4	6.4	-4.8	
750	0.558	0.523	34.668	27.809	32.504	37.095	0.48	29.1	6.9	-4.9	
800	0.537	0.500	34.669	27.811	32.507	37.098	0.41	28.9	6.6	-5.8	
850	0.507	0.467	34.669	27.813	32.510	37.102	0.41	28.7	7.5	-5.9	

AARI 016





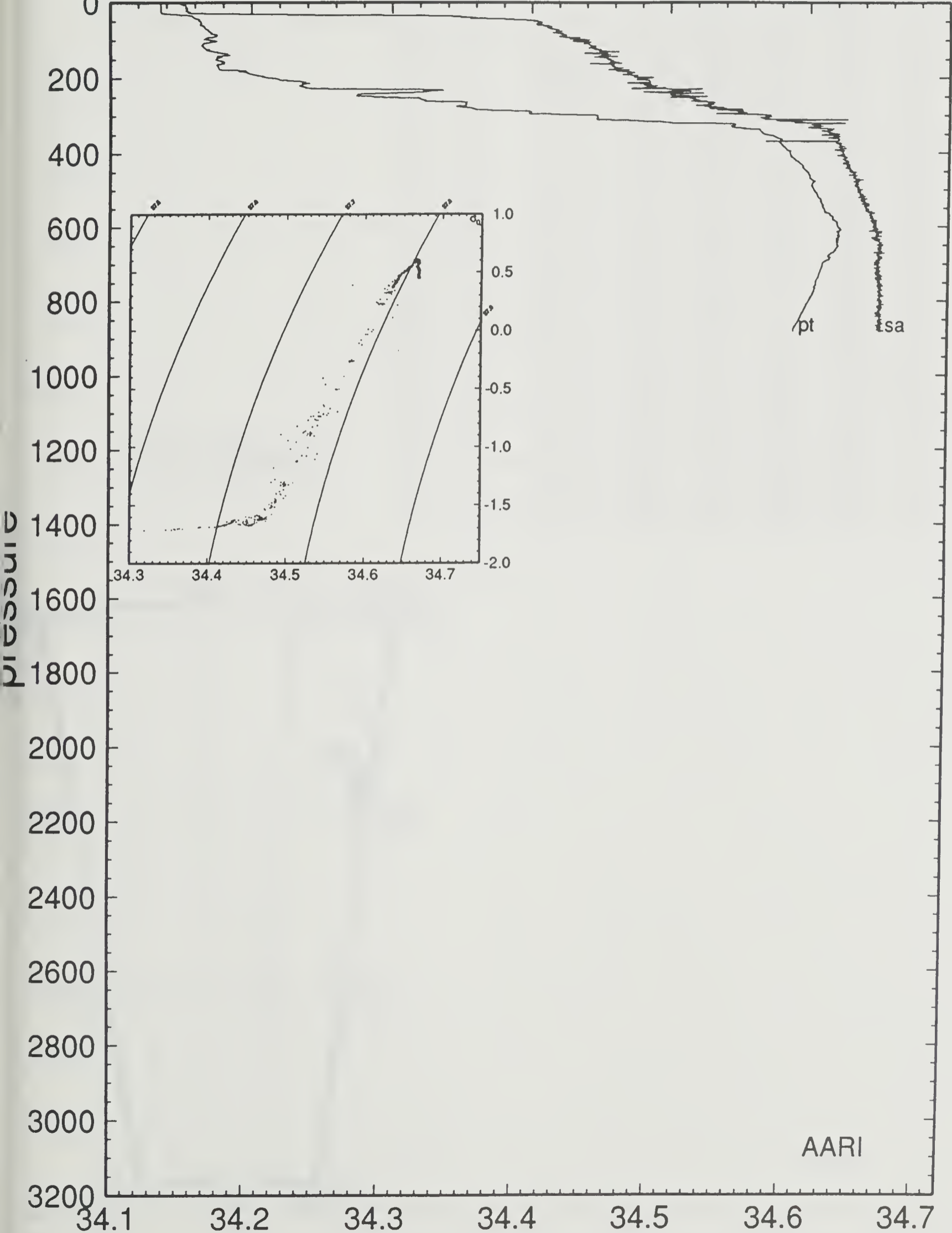
16

93/03/16 15:33

70 33.20 S 53 31.55 W

# potential temperature

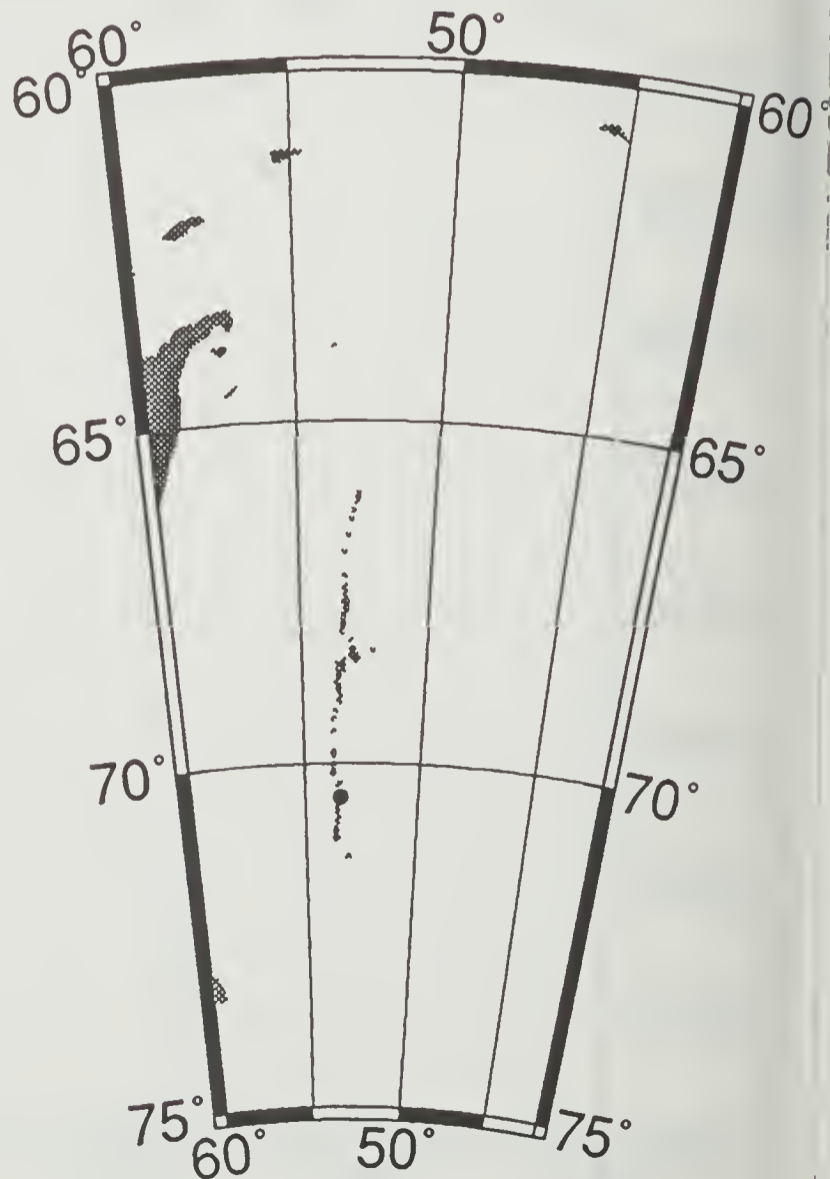
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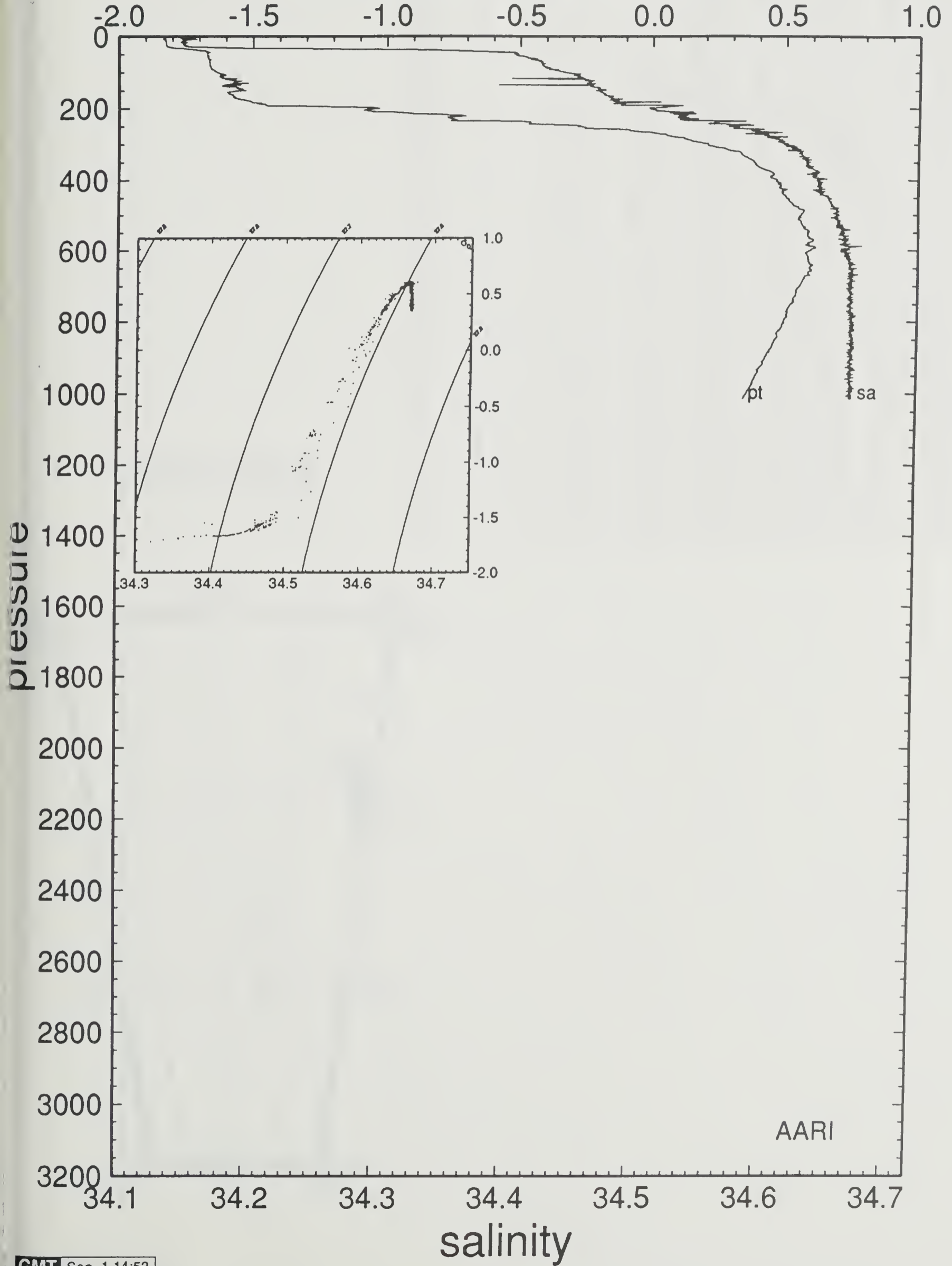
AARI

ISW-1	-70.4908 S	-53.4405 W	93/03/17	77	17:01	RUSS_CTD	# 17				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.750	-1.750	34.147	27.486	32.256	36.918	0.00	58.7	10.8	-1.8	
10	-1.828	-1.828	34.151	27.491	32.263	36.928	1.29	58.1	6.9	-3.0	
20	-1.824	-1.824	34.150	27.491	32.262	36.927	-0.53	58.2	7.2	-2.2	
30	-1.818	-1.819	34.156	27.495	32.267	36.931	1.22	57.7	6.9	-1.7	
40	-1.691	-1.692	34.358	27.656	32.422	37.080	7.09	42.4	3.8	-2.7	
50	-1.671	-1.672	34.406	27.695	32.459	37.117	3.47	38.7	3.7	-5.7	
60	-1.668	-1.669	34.415	27.702	32.466	37.124	1.50	38.0	4.8	-2.9	
70	-1.663	-1.664	34.427	27.711	32.476	37.133	1.73	37.0	5.3	-2.5	
80	-1.661	-1.663	34.427	27.711	32.476	37.133	-0.13	36.9	5.0	-2.3	
90	-1.655	-1.657	34.432	27.715	32.479	37.136	1.10	36.5	4.1	-1.2	
100	-1.636	-1.638	34.443	27.724	32.487	37.143	1.61	35.7	3.5	-1.7	
110	-1.619	-1.621	34.453	27.731	32.494	37.149	1.54	34.9	2.3	-2.1	
120	-1.600	-1.603	34.459	27.736	32.498	37.152	1.15	34.5	2.5	-1.3	
130	-1.567	-1.570	34.462	27.737	32.498	37.152	0.64	34.3	1.5	-2.3	
140	-1.578	-1.581	34.466	27.741	32.502	37.156	1.07	33.9	1.9	-2.7	
150	-1.530	-1.533	34.471	27.743	32.503	37.156	0.86	33.6	1.7	-2.8	
160	-1.588	-1.592	34.475	27.748	32.510	37.164	1.29	33.1	1.2	-3.5	
170	-1.567	-1.571	34.479	27.751	32.512	37.165	0.89	32.8	4.3	-2.4	
180	-1.510	-1.514	34.484	27.753	32.512	37.164	0.79	32.5	3.2	-4.0	
190	-1.451	-1.456	34.490	27.756	32.513	37.163	0.91	32.2	2.2	-2.9	
200	-1.028	-1.034	34.521	27.766	32.510	37.147	1.55	31.5	4.0	-1.5	
210	-0.987	-0.993	34.520	27.764	32.507	37.142	-0.91	31.7	3.8	-5.3	
220	-0.728	-0.735	34.538	27.768	32.503	37.131	0.86	31.4	1.6	-2.7	
230	-0.749	-0.756	34.538	27.769	32.504	37.133	0.57	31.3	4.4	-3.7	
240	-0.454	-0.462	34.564	27.777	32.503	37.123	1.35	30.7	2.7	-0.7	
250	-0.267	-0.276	34.574	27.776	32.497	37.111	-0.83	30.9	1.1	-3.1	
260	-0.133	-0.142	34.598	27.789	32.505	37.115	1.91	29.8	3.3	1.7	
270	0.009	-0.001	34.605	27.787	32.499	37.105	-0.94	30.1	4.0	-5.3	
280	0.076	0.065	34.608	27.786	32.496	37.100	-0.72	30.2	0.7	-2.9	
290	0.148	0.137	34.612	27.786	32.493	37.095	-0.63	30.3	0.7	0.2	
300	0.214	0.202	34.618	27.787	32.493	37.092	0.45	30.3	2.4	1.5	
325	0.343	0.330	34.629	27.789	32.490	37.086	0.24	30.3	0.4	-0.1	
350	0.394	0.379	34.633	27.789	32.489	37.084	-0.14	30.3	0.2	-0.8	
375	0.447	0.431	34.640	27.792	32.490	37.083	0.51	30.1	0.6	-1.0	
400	0.483	0.466	34.642	27.791	32.489	37.081	-0.32	30.2	3.4	-3.9	
425	0.497	0.479	34.644	27.792	32.489	37.081	0.29	30.2	3.9	0.1	
450	0.522	0.502	34.649	27.795	32.491	37.082	0.54	30.0	1.9	-3.3	
475	0.557	0.536	34.654	27.797	32.492	37.082	0.44	29.9	4.4	-0.4	
500	0.583	0.561	34.656	27.797	32.491	37.081	-0.17	29.9	2.6	-2.2	
550	0.612	0.587	34.661	27.799	32.493	37.081	0.35	29.8	3.5	-2.5	
600	0.623	0.596	34.665	27.802	32.496	37.084	0.40	29.7	3.2	-1.6	
650	0.622	0.592	34.668	27.805	32.498	37.086	0.41	29.5	3.8	-1.6	
700	0.587	0.555	34.666	27.805	32.500	37.089	0.30	29.4	2.8	-2.9	
750	0.559	0.524	34.666	27.807	32.503	37.093	0.39	29.2	3.2	-0.1	
800	0.535	0.498	34.669	27.811	32.507	37.098	0.54	28.9	3.9	0.7	
850	0.508	0.468	34.670	27.814	32.511	37.103	0.45	28.6	4.7	0.6	
900	0.473	0.431	34.670	27.816	32.514	37.107	0.45	28.4	1.8	-0.4	
950	0.441	0.396	34.668	27.816	32.516	37.109	0.29	28.3	2.0	0.4	
1000	0.411	0.363	34.669	27.819	32.519	37.114	0.48	28.0	3.1	0.2	

AARI 017

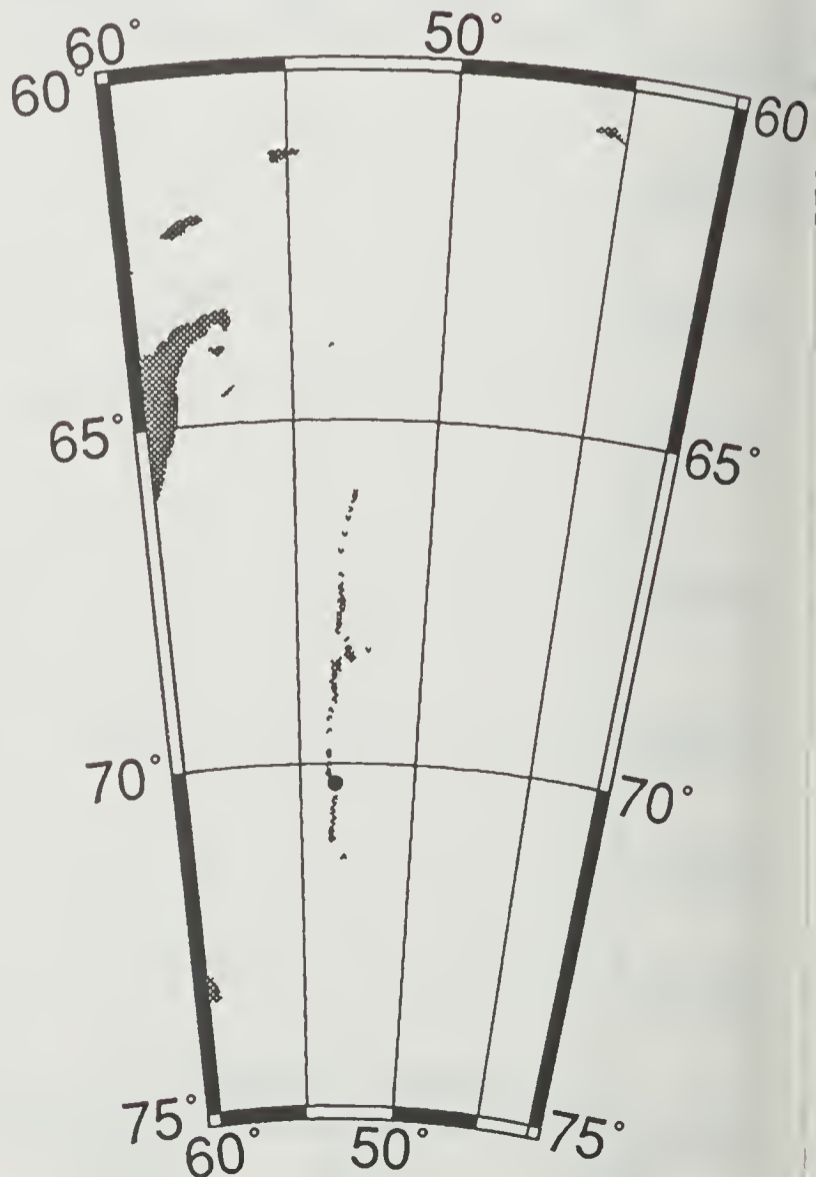


# potential temperature



ISW-1	-70.287 S	-53.4592 W	93/03/18	78	16:06	RUSS	CTD # 18			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.797	-1.797	34.172	27.508	32.278	36.942	0.00	56.7	8.8	-3.5
10	-1.825	-1.825	34.181	27.516	32.287	36.951	1.59	55.8	5.2	-1.8
20	-1.825	-1.825	34.183	27.517	32.289	36.953	0.71	55.6	4.2	-0.5
30	-1.826	-1.827	34.187	27.521	32.292	36.956	1.01	55.2	3.3	0.2
40	-1.744	-1.745	34.307	27.616	32.384	37.045	5.46	46.2	7.3	-2.1
50	-1.682	-1.683	34.435	27.718	32.483	37.141	5.66	36.4	6.6	-0.6
60	-1.671	-1.672	34.462	27.740	32.504	37.161	2.60	34.3	6.0	-0.7
70	-1.659	-1.660	34.470	27.746	32.510	37.167	1.39	33.7	6.1	-0.5
80	-1.639	-1.641	34.477	27.751	32.514	37.170	1.26	33.2	4.5	-0.2
90	-1.575	-1.577	34.487	27.758	32.519	37.172	1.37	32.5	5.2	-0.1
100	-1.621	-1.623	34.489	27.761	32.523	37.178	0.99	32.2	4.6	-0.8
110	-1.596	-1.598	34.493	27.763	32.525	37.179	0.87	31.9	4.0	-0.5
120	-1.622	-1.625	34.497	27.767	32.530	37.185	1.14	31.5	3.6	-0.9
130	-1.611	-1.614	34.500	27.769	32.531	37.186	0.80	31.2	3.6	-0.5
140	-1.604	-1.607	34.498	27.767	32.529	37.184	-0.76	31.3	1.8	-1.7
150	-1.574	-1.577	34.507	27.774	32.535	37.188	1.40	30.7	3.9	-3.4
160	-1.505	-1.509	34.506	27.771	32.530	37.181	-1.01	31.0	3.1	-2.3
170	-1.457	-1.461	34.516	27.777	32.535	37.185	1.41	30.3	1.5	-2.5
180	-1.411	-1.415	34.521	27.780	32.536	37.184	0.85	30.1	1.4	-0.6
190	-1.177	-1.182	34.568	27.810	32.558	37.199	2.99	27.3	4.2	-2.5
200	-0.896	-0.902	34.562	27.795	32.534	37.167	-2.32	28.9	0.0	-1.2
210	-0.836	-0.842	34.574	27.802	32.539	37.170	1.47	28.2	3.4	0.1
220	-0.673	-0.680	34.578	27.798	32.531	37.157	-1.21	28.6	-0.2	-1.8
230	-0.765	-0.772	34.568	27.794	32.529	37.158	-1.05	28.9	0.5	-1.0
240	-0.459	-0.467	34.610	27.815	32.540	37.160	2.39	27.2	0.2	-0.7
250	-0.079	-0.088	34.629	27.811	32.526	37.134	-1.38	27.8	4.2	1.4
260	-0.016	-0.026	34.629	27.808	32.520	37.127	-1.08	28.1	-2.0	-0.0
270	0.071	0.061	34.638	27.811	32.520	37.124	0.78	27.9	3.0	2.0
280	0.173	0.162	34.645	27.811	32.517	37.118	-0.47	28.0	3.2	-5.4
290	0.240	0.228	34.652	27.813	32.517	37.116	0.66	27.9	-1.3	0.2
300	0.259	0.247	34.653	27.813	32.517	37.115	-0.35	27.9	1.1	1.2
325	0.243	0.230	34.645	27.807	32.512	37.110	-0.82	28.4	1.1	1.7
350	0.291	0.277	34.658	27.815	32.518	37.115	0.96	27.7	2.2	1.9
375	0.252	0.237	34.652	27.812	32.517	37.115	-0.52	28.0	-0.4	0.4
400	0.340	0.323	34.662	27.816	32.517	37.113	0.52	27.8	1.6	-3.4
425	0.472	0.454	34.671	27.815	32.513	37.105	-0.49	28.0	1.9	0.9
450	0.512	0.492	34.673	27.815	32.511	37.102	-0.39	28.1	2.9	-3.3
475	0.552	0.531	34.679	27.817	32.512	37.102	0.50	28.0	1.3	-0.4
500	0.573	0.551	34.681	27.818	32.512	37.101	0.13	28.0	4.3	-1.7
550	0.605	0.580	34.686	27.820	32.514	37.102	0.33	27.9	1.8	-1.3
600	0.619	0.592	34.690	27.822	32.516	37.104	0.38	27.7	2.9	-1.5
650	0.607	0.577	34.691	27.824	32.518	37.106	0.35	27.6	3.4	-1.4
700	0.584	0.552	34.693	27.827	32.522	37.111	0.48	27.4	4.8	-1.5
750	0.553	0.518	34.691	27.828	32.523	37.113	0.27	27.3	4.0	-4.2
800	0.536	0.498	34.694	27.831	32.527	37.118	0.50	27.0	5.3	-3.8
850	0.493	0.453	34.691	27.831	32.529	37.121	0.30	26.9	1.3	-2.0
900	0.471	0.428	34.692	27.834	32.532	37.125	0.42	26.7	0.9	-2.7
950	0.447	0.402	34.693	27.836	32.535	37.128	0.44	26.5	3.1	-0.4
1000	0.413	0.365	34.690	27.836	32.536	37.130	0.22	26.5	3.9	-4.0

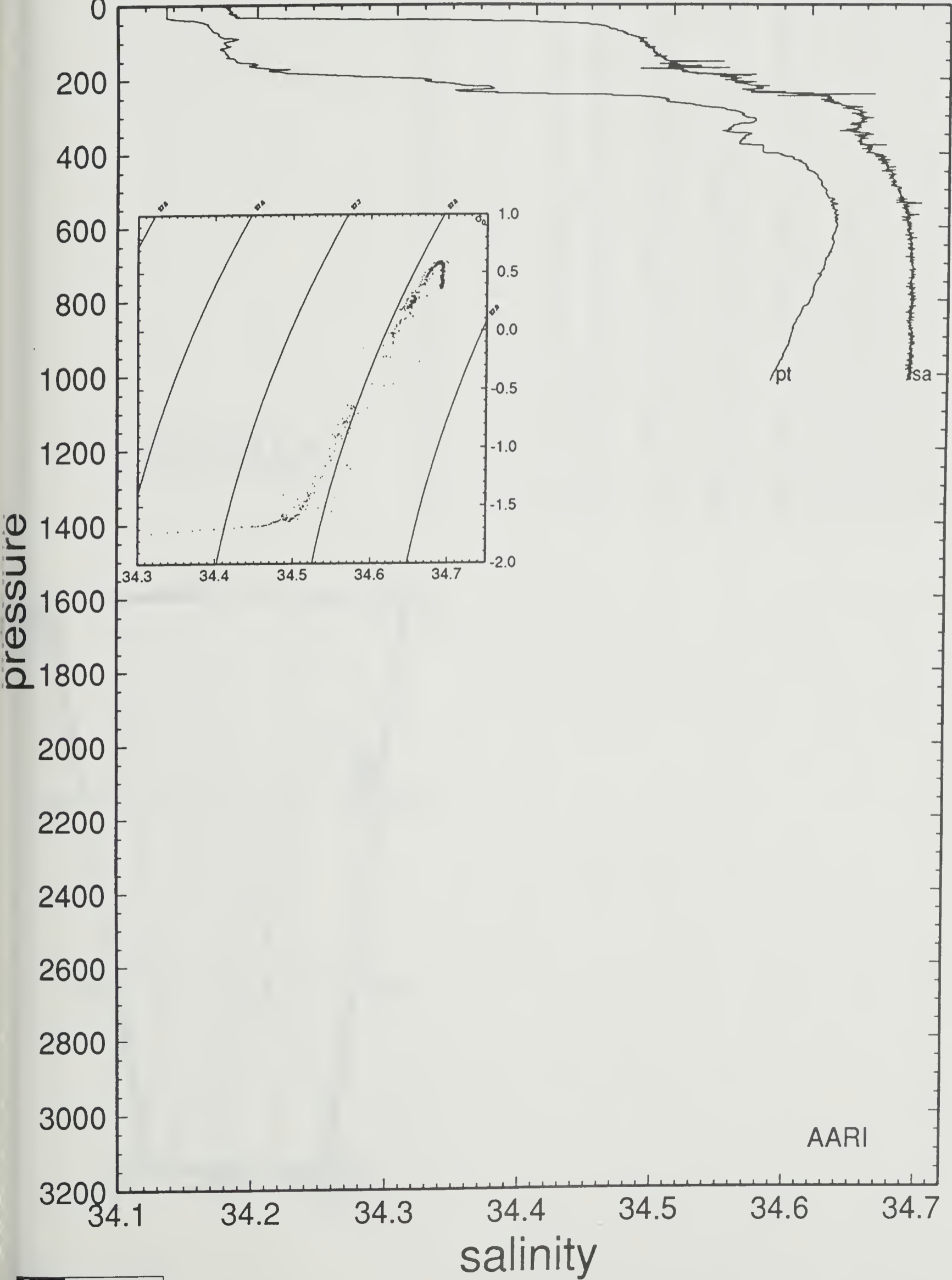
AARI 018



18 93/03/18 16:06 70 17.22 S 53 27.55 W

# potential temperature

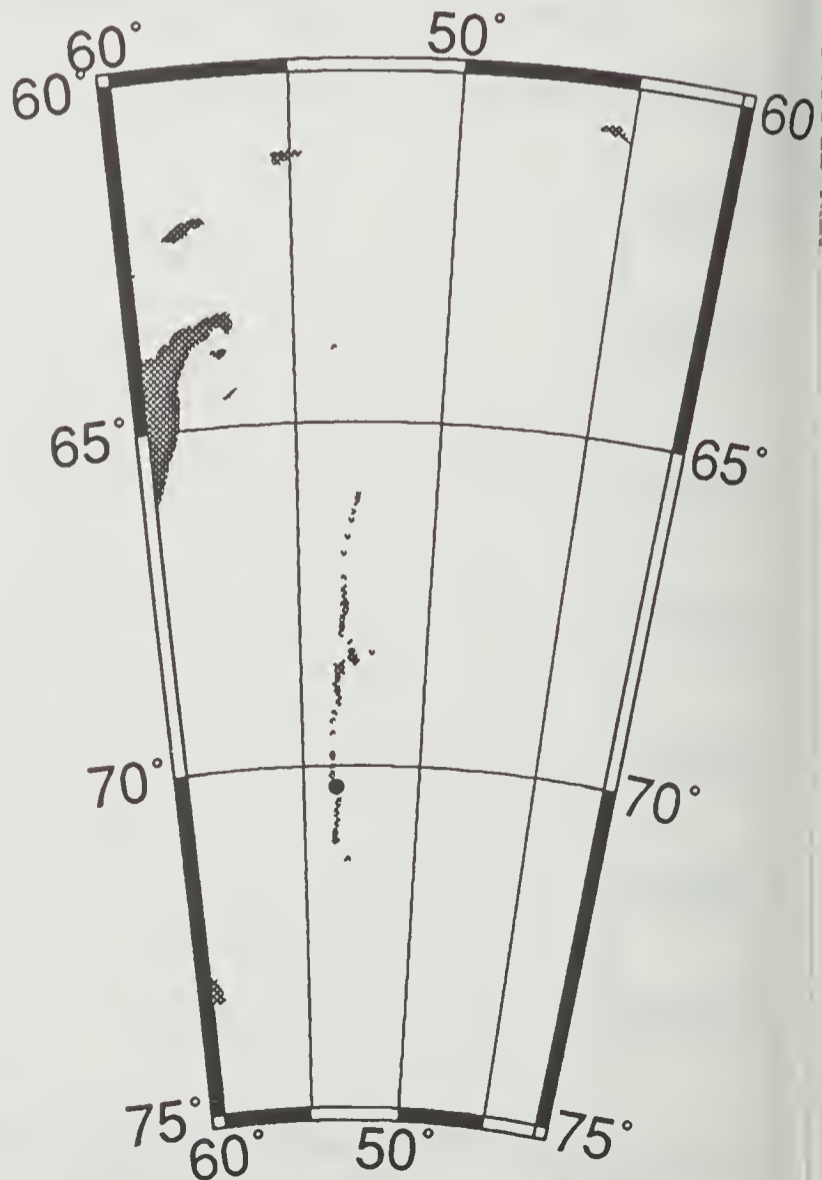
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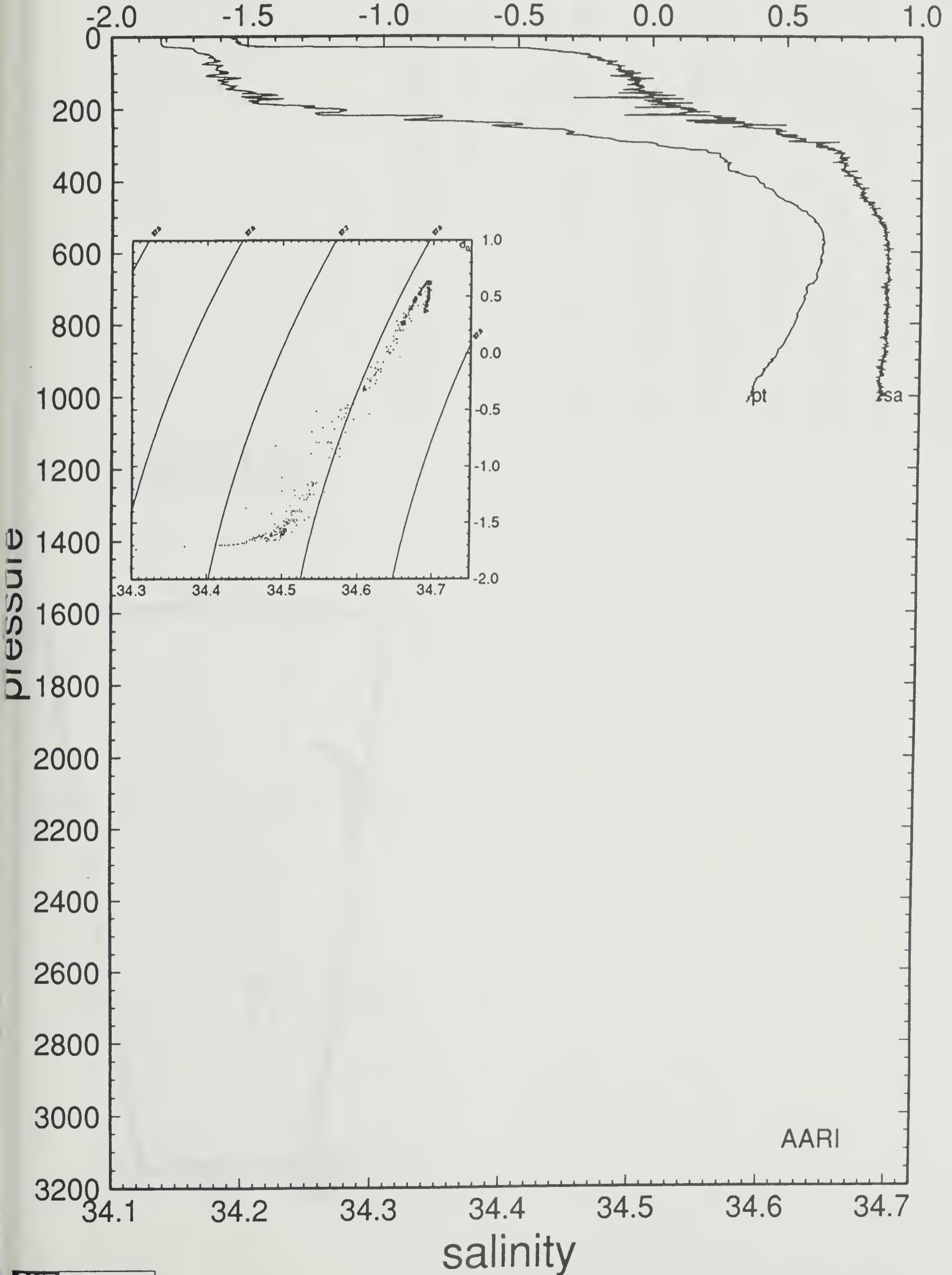
AARI

ISW-1	-70.3058 S	-53.5833 W	93/03/19	79	15:24	RUSS CTD	#19				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.812	-1.812	34.187	27.520	32.291	36.955	0.00	55.5	23.3	-9.4	
10	-1.821	-1.821	34.195	27.527	32.298	36.962	1.45	54.8	9.4	-19.1	
20	-1.820	-1.820	34.197	27.529	32.300	36.964	0.71	54.6	-1.5	-15.2	
30	-1.771	-1.772	34.256	27.575	32.345	37.006	3.82	50.1	-0.7	-8.6	
40	-1.694	-1.695	34.435	27.719	32.484	37.142	6.70	36.5	2.0	-2.6	
50	-1.656	-1.657	34.462	27.740	32.503	37.160	2.55	34.4	5.6	0.2	
60	-1.625	-1.626	34.463	27.740	32.502	37.158	-0.21	34.4	3.4	-0.7	
70	-1.619	-1.621	34.485	27.757	32.520	37.175	2.35	32.7	8.4	5.9	
80	-1.596	-1.598	34.485	27.757	32.518	37.173	-0.48	32.7	4.1	-4.3	
90	-1.617	-1.619	34.487	27.759	32.521	37.176	0.85	32.4	2.3	-3.7	
100	-1.581	-1.583	34.488	27.759	32.520	37.174	-0.34	32.4	3.1	-2.3	
110	-1.645	-1.647	34.490	27.762	32.525	37.181	1.08	32.0	4.1	-6.3	
120	-1.604	-1.607	34.498	27.767	32.529	37.184	1.27	31.5	3.6	-8.0	
130	-1.592	-1.595	34.502	27.770	32.532	37.186	0.94	31.1	7.2	-1.4	
140	-1.550	-1.553	34.503	27.770	32.530	37.183	-0.45	31.1	5.7	-3.9	
150	-1.501	-1.505	34.503	27.768	32.527	37.178	-0.74	31.3	8.6	-0.9	
160	-1.401	-1.405	34.507	27.768	32.524	37.172	-0.38	31.3	5.9	-2.7	
170	-1.427	-1.431	34.478	27.746	32.502	37.152	-2.65	33.3	10.7	1.7	
180	-1.469	-1.473	34.518	27.780	32.537	37.187	3.26	30.1	8.2	-0.5	
190	-1.330	-1.335	34.512	27.770	32.523	37.169	-1.79	31.0	5.7	0.1	
200	-1.166	-1.171	34.540	27.787	32.535	37.176	2.23	29.4	4.5	-5.4	
210	-1.218	-1.224	34.554	27.800	32.550	37.192	2.06	28.1	8.2	-2.6	
220	-0.790	-0.797	34.537	27.770	32.506	37.136	-3.22	31.2	7.4	-1.7	
230	-0.896	-0.903	34.574	27.804	32.544	37.176	3.31	27.9	7.1	-2.8	
240	-0.558	-0.566	34.556	27.775	32.505	37.127	-3.13	30.8	9.2	-4.3	
250	-0.568	-0.576	34.579	27.794	32.524	37.147	2.44	29.0	9.8	-4.5	
260	-0.316	-0.325	34.608	27.806	32.528	37.143	1.75	28.1	11.7	-4.2	
270	-0.315	-0.324	34.607	27.805	32.527	37.142	-0.51	28.1	13.2	-4.8	
280	-0.227	-0.237	34.614	27.807	32.526	37.138	0.44	28.1	13.4	-2.9	
290	-0.124	-0.135	34.625	27.811	32.526	37.136	0.94	27.8	10.3	-7.4	
300	0.023	0.012	34.639	27.814	32.525	37.130	0.86	27.6	14.2	-7.5	
325	0.238	0.225	34.654	27.815	32.519	37.118	-0.44	27.7	13.8	-8.7	
350	0.280	0.266	34.658	27.816	32.519	37.117	0.25	27.7	14.4	-7.1	
375	0.295	0.280	34.662	27.818	32.521	37.118	0.53	27.5	9.1	-6.5	
400	0.406	0.389	34.669	27.817	32.517	37.111	-0.49	27.7	10.8	-5.8	
425	0.452	0.434	34.673	27.818	32.516	37.109	0.08	27.7	15.7	-7.0	
450	0.491	0.471	34.675	27.817	32.515	37.106	-0.37	27.8	15.6	-7.1	
475	0.557	0.536	34.682	27.819	32.514	37.104	0.33	27.8	13.8	-6.0	
500	0.605	0.583	34.686	27.820	32.513	37.102	-0.19	27.8	12.3	-3.6	
550	0.657	0.632	34.693	27.822	32.515	37.101	0.34	27.7	14.5	-5.7	
600	0.661	0.633	34.695	27.824	32.516	37.103	0.30	27.7	13.0	-5.2	
650	0.647	0.617	34.695	27.825	32.518	37.105	0.29	27.6	14.2	-5.2	
700	0.603	0.570	34.693	27.826	32.520	37.109	0.37	27.5	12.3	-6.0	
750	0.591	0.556	34.694	27.828	32.522	37.111	0.35	27.4	14.0	-5.8	
800	0.567	0.529	34.694	27.829	32.525	37.114	0.37	27.3	13.7	-3.6	
850	0.535	0.495	34.693	27.831	32.527	37.118	0.36	27.1	12.2	-4.8	
900	0.488	0.445	34.690	27.831	32.529	37.121	0.34	27.0	15.7	-3.4	
950	0.438	0.393	34.688	27.833	32.532	37.126	0.43	26.8	15.6	-6.5	
1000	0.421	0.373	34.692	27.837	32.537	37.131	0.55	26.4	18.3	-4.3	

AARI 019



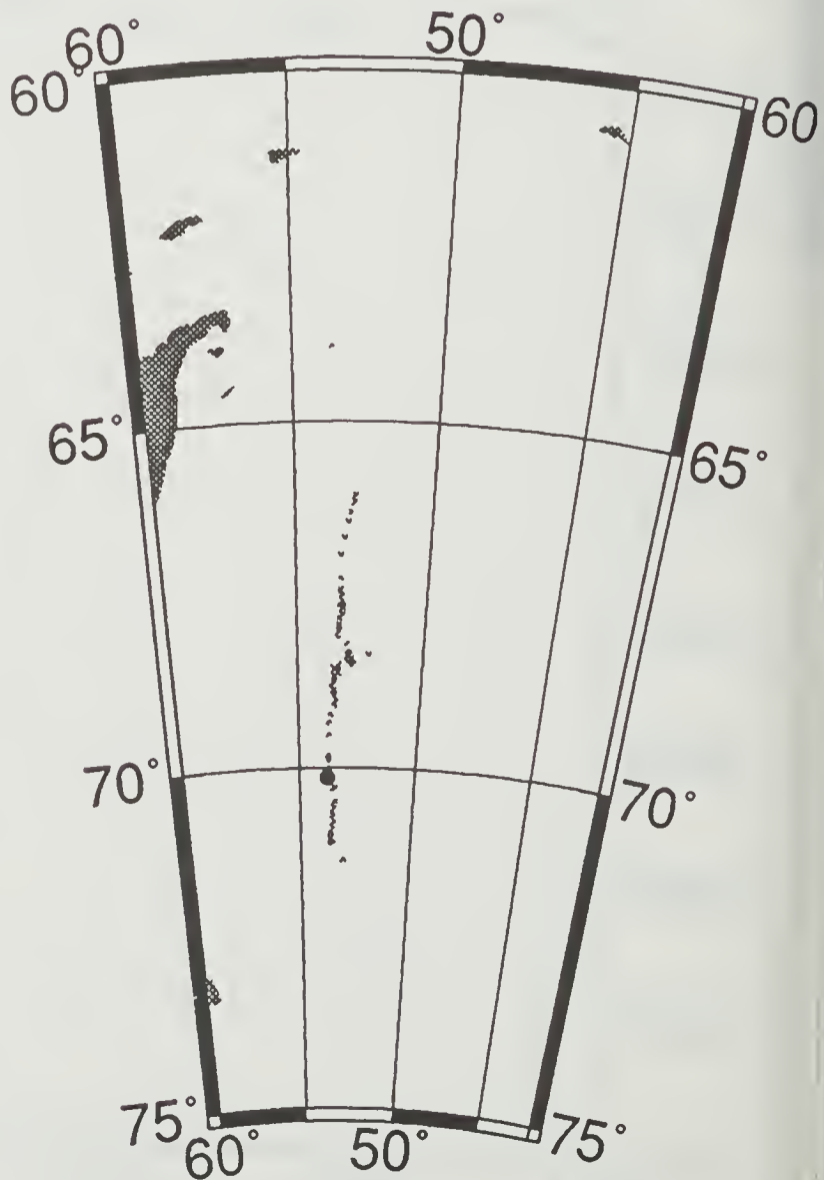
# potential temperature



AARI

ISW-1	-70.1417 S	-53.7733 W	93/03/20	80	15:50	RUSS_CTD	# 20				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.809	-1.809	34.123	27.468	32.240	36.904	0.00	60.4	12.0	-6.7	
10	-1.818	-1.818	34.125	27.470	32.242	36.906	0.76	60.2	3.9	-2.1	
20	-1.817	-1.817	34.129	27.473	32.245	36.909	1.01	59.8	3.5	-4.5	
30	-1.817	-1.818	34.130	27.474	32.246	36.910	0.51	59.7	3.2	-2.9	
40	-1.683	-1.684	34.434	27.718	32.482	37.140	8.73	36.6	4.2	-3.5	
50	-1.664	-1.665	34.462	27.740	32.504	37.161	2.63	34.4	4.0	-3.9	
60	-1.667	-1.668	34.470	27.746	32.510	37.167	1.44	33.7	3.5	-5.6	
70	-1.613	-1.615	34.479	27.752	32.514	37.169	1.33	33.1	3.4	-6.5	
80	-1.643	-1.645	34.485	27.758	32.521	37.177	1.35	32.5	4.2	-5.9	
90	-1.605	-1.607	34.490	27.761	32.523	37.177	0.94	32.2	4.5	-6.3	
100	-1.668	-1.670	34.489	27.762	32.526	37.182	0.62	32.1	5.3	-8.3	
110	-1.647	-1.649	34.494	27.765	32.529	37.185	1.03	31.7	4.6	-6.5	
120	-1.607	-1.610	34.500	27.769	32.531	37.186	1.05	31.3	5.2	-7.7	
130	-1.591	-1.594	34.506	27.774	32.535	37.189	1.16	30.8	3.2	-5.4	
140	-1.557	-1.560	34.509	27.775	32.535	37.188	0.63	30.7	4.2	-7.2	
150	-1.515	-1.518	34.509	27.774	32.533	37.184	-0.68	30.7	4.2	-5.7	
160	-1.539	-1.543	34.503	27.770	32.529	37.182	-1.12	31.1	4.1	-6.9	
170	-1.375	-1.379	34.517	27.776	32.530	37.178	1.28	30.5	4.3	-6.2	
180	-1.299	-1.304	34.527	27.781	32.533	37.178	1.27	30.0	4.5	-7.6	
190	-1.282	-1.287	34.541	27.792	32.543	37.188	1.83	29.0	2.6	-6.8	
200	-1.187	-1.192	34.547	27.793	32.542	37.183	0.54	28.8	6.0	-4.3	
210	-1.041	-1.047	34.555	27.795	32.538	37.176	0.21	28.8	3.2	-6.2	
220	-0.947	-0.953	34.561	27.796	32.537	37.171	0.43	28.7	2.8	-3.0	
230	-0.744	-0.751	34.572	27.796	32.531	37.159	-0.50	28.7	4.2	-7.3	
240	-0.524	-0.532	34.594	27.805	32.532	37.154	1.43	28.1	5.5	-4.6	
250	-0.565	-0.573	34.594	27.806	32.536	37.158	0.82	27.9	3.4	-5.6	
260	-0.369	-0.378	34.618	27.817	32.540	37.156	1.66	27.0	4.5	-2.1	
270	-0.196	-0.206	34.627	27.816	32.533	37.145	-0.89	27.3	2.7	-5.6	
280	-0.128	-0.138	34.630	27.815	32.530	37.140	-0.70	27.4	3.0	-2.2	
290	0.010	-0.001	34.642	27.817	32.529	37.134	0.65	27.3	7.8	-4.4	
300	0.054	0.042	34.657	27.827	32.537	37.141	1.71	26.4	1.6	-6.0	
325	0.236	0.223	34.661	27.820	32.525	37.124	-1.02	27.2	1.2	-2.3	
350	0.304	0.290	34.667	27.822	32.524	37.121	0.22	27.1	2.4	-0.2	
375	0.377	0.361	34.670	27.820	32.520	37.115	-0.56	27.4	4.3	0.0	
400	0.422	0.405	34.676	27.822	32.521	37.115	0.47	27.2	2.3	-2.5	
425	0.510	0.492	34.681	27.821	32.518	37.108	-0.52	27.5	1.9	-3.1	
450	0.556	0.536	34.687	27.823	32.518	37.108	0.44	27.4	3.9	-4.8	
475	0.584	0.563	34.687	27.822	32.516	37.105	-0.50	27.6	5.8	-3.1	
500	0.606	0.584	34.689	27.822	32.516	37.104	0.08	27.6	3.6	-4.4	
550	0.628	0.603	34.693	27.824	32.517	37.105	0.33	27.5	4.7	-2.5	
600	0.653	0.625	34.694	27.823	32.516	37.103	-0.24	27.7	6.3	-3.4	

# AARI 020

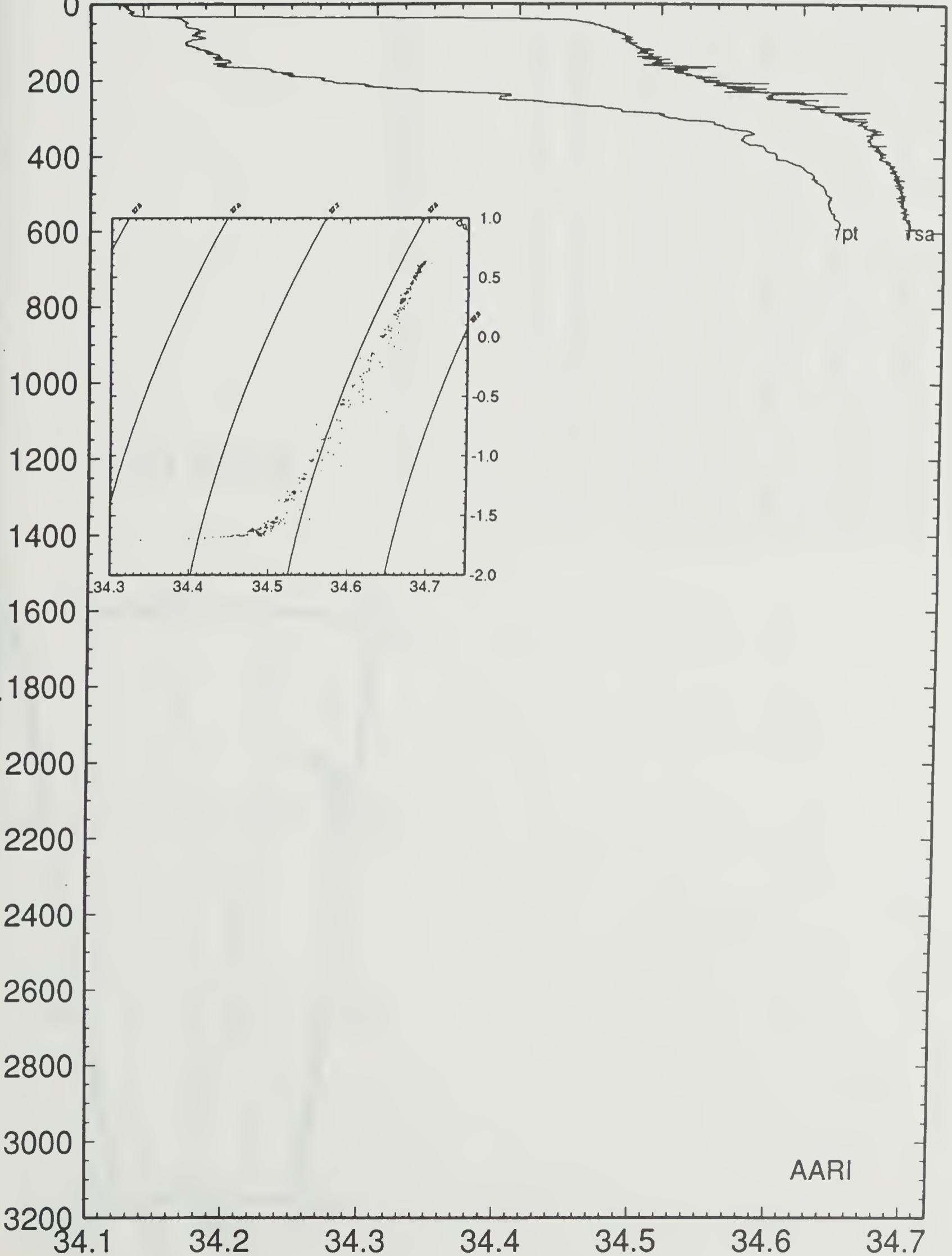




20 93/03/20 15:50 70 8.50 S 53 46.40 W

# potential temperature

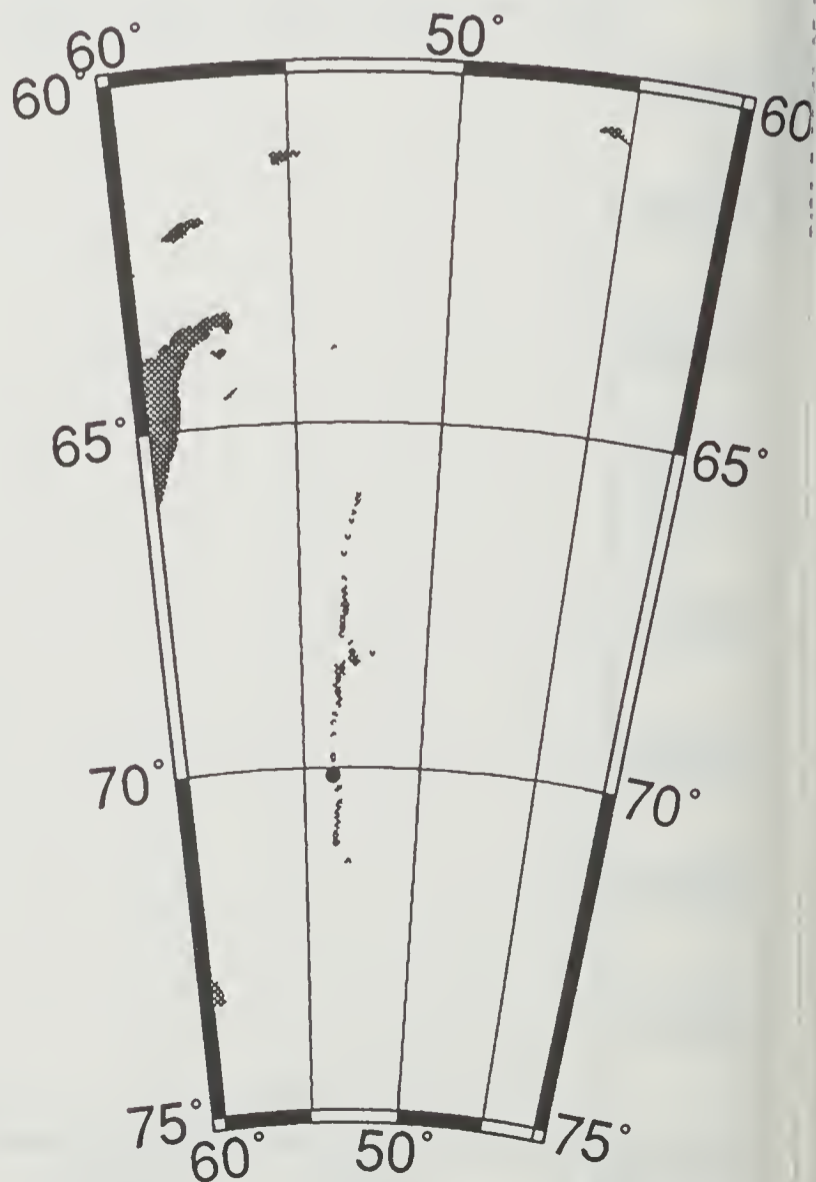
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



AARI

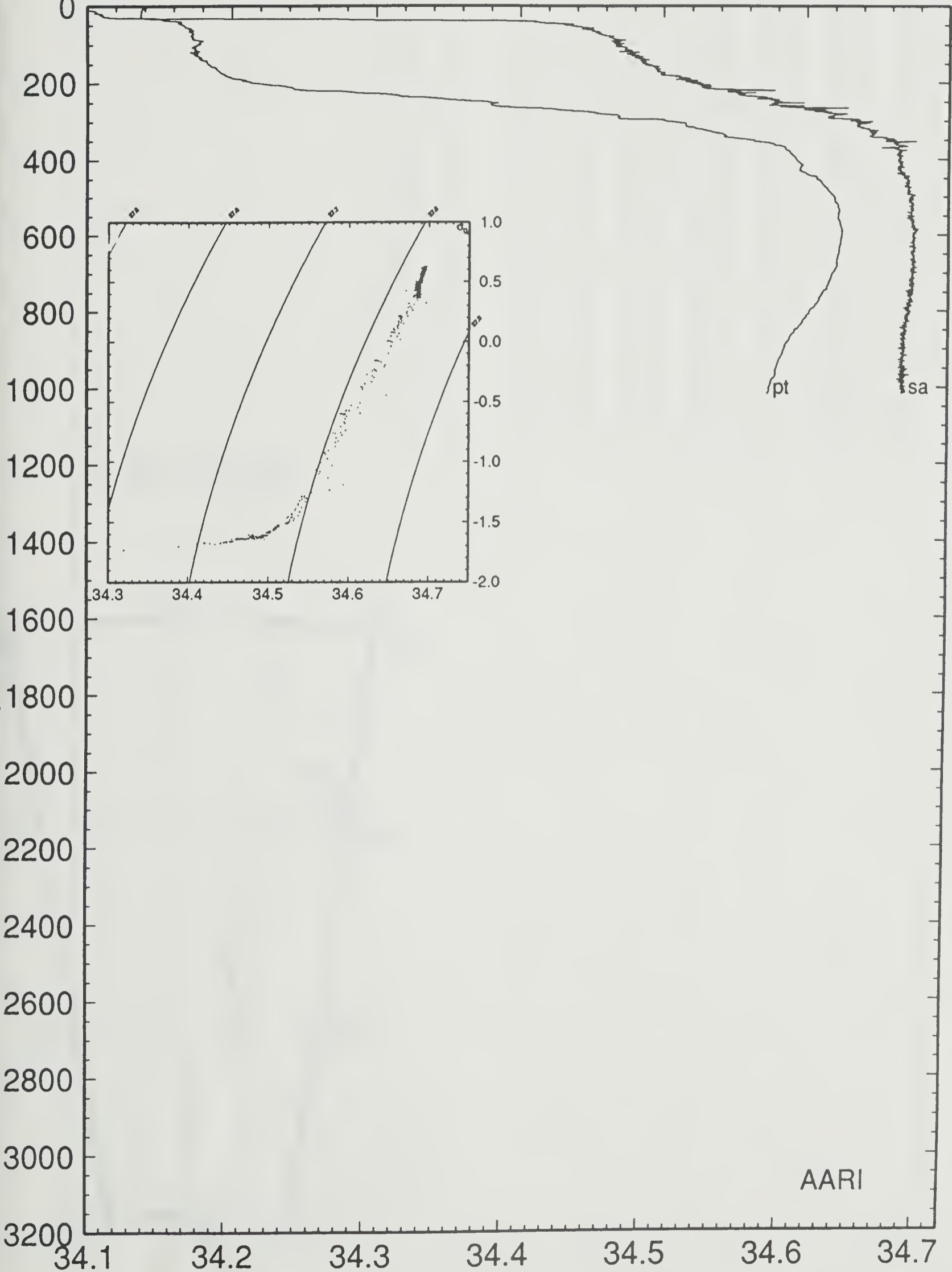
ISW-1	-70.1053 S	-53.7383 W	93/03/21	81	18:20	RUSS	CTD	# 21			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.755	-1.755	34.054	27.411	32.181	36.844	0.00	65.9	1.9	-2.5	
10	-1.812	-1.812	34.101	27.450	32.222	36.887	3.53	62.0	-0.7	-2.7	
20	-1.815	-1.815	34.108	27.456	32.228	36.893	1.34	61.4	1.5	-1.6	
30	-1.814	-1.815	34.115	27.462	32.234	36.898	1.33	60.8	2.0	-1.9	
40	-1.677	-1.678	34.415	27.702	32.467	37.124	8.67	38.0	2.7	-1.5	
50	-1.667	-1.668	34.444	27.725	32.490	37.147	2.70	35.8	2.5	-2.1	
60	-1.640	-1.641	34.455	27.733	32.497	37.153	1.59	35.0	3.7	-4.8	
70	-1.635	-1.636	34.465	27.741	32.505	37.160	1.58	34.2	4.8	-6.2	
80	-1.634	-1.636	34.475	27.750	32.513	37.168	1.59	33.3	4.5	-5.0	
90	-1.605	-1.607	34.481	27.754	32.516	37.170	1.11	32.9	5.3	-3.3	
100	-1.616	-1.618	34.479	27.752	32.515	37.170	-0.63	33.0	3.9	-4.1	
110	-1.625	-1.627	34.486	27.758	32.521	37.176	1.37	32.4	5.4	-5.2	
120	-1.642	-1.645	34.486	27.759	32.522	37.178	0.42	32.3	4.5	-3.0	
130	-1.614	-1.617	34.490	27.761	32.523	37.178	0.85	32.0	2.8	-4.7	
140	-1.589	-1.592	34.502	27.770	32.532	37.186	1.67	31.1	5.2	-3.3	
150	-1.581	-1.584	34.499	27.768	32.529	37.183	-0.92	31.3	3.6	-3.7	
160	-1.553	-1.557	34.507	27.773	32.533	37.186	1.31	30.7	4.8	-4.1	
170	-1.540	-1.544	34.510	27.775	32.535	37.188	0.79	30.5	2.7	-3.5	
180	-1.518	-1.522	34.513	27.777	32.536	37.188	0.72	30.3	4.6	-4.5	
190	-1.463	-1.468	34.531	27.790	32.547	37.197	1.98	29.1	3.0	-3.6	
200	-1.410	-1.415	34.538	27.794	32.549	37.198	1.07	28.7	2.8	-5.0	
210	-1.297	-1.302	34.547	27.797	32.549	37.194	0.93	28.4	5.4	-2.5	
220	-1.139	-1.145	34.578	27.817	32.564	37.203	2.40	26.6	1.6	-3.8	
230	-0.931	-0.938	34.569	27.802	32.542	37.176	-2.28	28.1	4.7	-3.2	
240	-0.764	-0.771	34.587	27.809	32.545	37.173	1.43	27.5	1.2	-4.5	
250	-0.599	-0.607	34.594	27.808	32.538	37.162	-0.92	27.7	3.5	-4.5	
260	-0.587	-0.595	34.611	27.821	32.551	37.174	2.02	26.4	3.6	-3.2	
270	-0.365	-0.374	34.615	27.814	32.537	37.154	-1.66	27.3	0.9	-3.2	
280	-0.223	-0.233	34.632	27.821	32.540	37.152	1.33	26.7	2.4	-6.3	
290	-0.150	-0.161	34.633	27.818	32.535	37.145	-1.04	27.0	4.2	-0.7	
300	0.016	0.005	34.648	27.822	32.533	37.138	0.80	26.8	0.1	-6.0	
325	0.161	0.148	34.668	27.830	32.537	37.138	0.94	26.2	4.8	-5.5	
350	0.320	0.306	34.680	27.831	32.533	37.129	-0.31	26.3	1.5	-1.0	
375	0.443	0.427	34.683	27.826	32.525	37.118	-0.86	26.8	3.0	-6.1	
400	0.480	0.463	34.683	27.824	32.522	37.113	-0.56	27.1	-0.2	-1.6	
425	0.495	0.477	34.684	27.824	32.521	37.113	-0.15	27.1	3.8	-1.1	
450	0.557	0.537	34.689	27.825	32.520	37.109	-0.22	27.2	3.3	-2.8	
475	0.590	0.569	34.691	27.824	32.519	37.107	-0.30	27.3	2.0	-3.7	
500	0.620	0.598	34.692	27.824	32.517	37.105	-0.41	27.5	1.7	-4.4	
550	0.637	0.612	34.692	27.823	32.516	37.103	-0.26	27.7	3.2	-2.9	
600	0.651	0.623	34.694	27.824	32.516	37.103	0.21	27.7	1.0	-3.8	
650	0.643	0.613	34.694	27.824	32.517	37.104	0.23	27.7	1.5	-1.0	
700	0.625	0.592	34.694	27.825	32.519	37.107	0.32	27.6	1.8	-4.0	
750	0.593	0.558	34.691	27.825	32.520	37.109	0.16	27.6	0.7	-2.4	
800	0.549	0.511	34.689	27.826	32.522	37.112	0.37	27.5	0.9	-2.1	
850	0.499	0.459	34.688	27.829	32.526	37.118	0.47	27.2	-0.5	-1.3	
900	0.465	0.423	34.686	27.829	32.528	37.120	0.31	27.1	1.9	-4.2	
950	0.440	0.395	34.686	27.831	32.530	37.124	0.38	27.0	-0.2	-3.1	
1000	0.417	0.369	34.687	27.833	32.533	37.127	0.43	26.7	0.6	0.5	

AARI 021



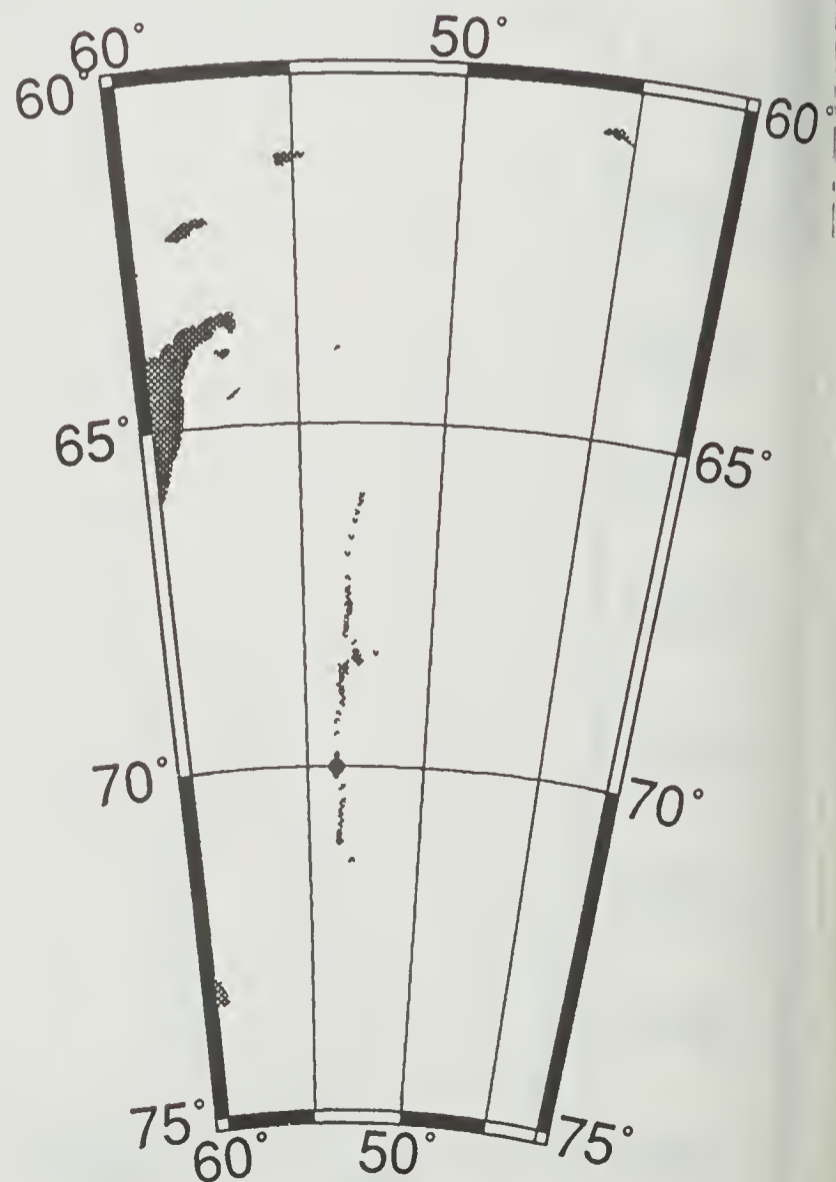
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-1	-70.0007 S	-53.7508 W	93/03/22	82	22:01	RUSS_CTD	# 22				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.806	-1.806	34.060	27.417	32.189	36.854	0.00	65.3	11.6	2.2	
10	-1.824	-1.824	34.077	27.431	32.204	36.869	2.12	63.9	1.4	-2.5	
20	-1.824	-1.824	34.079	27.433	32.205	36.870	0.71	63.6	0.2	1.7	
30	-1.820	-1.821	34.093	27.444	32.216	36.881	1.88	62.5	1.1	4.4	
40	-1.701	-1.702	34.358	27.656	32.422	37.081	8.15	42.4	3.8	5.3	
50	-1.669	-1.670	34.393	27.684	32.449	37.106	2.93	39.7	6.1	5.6	
60	-1.665	-1.666	34.411	27.698	32.463	37.120	2.13	38.3	9.3	6.8	
70	-1.654	-1.655	34.430	27.714	32.478	37.134	2.17	36.8	9.3	7.5	
80	-1.632	-1.634	34.433	27.715	32.479	37.135	0.74	36.6	9.6	7.4	
90	-1.619	-1.621	34.437	27.718	32.481	37.137	0.94	36.2	10.6	6.6	
100	-1.619	-1.621	34.441	27.721	32.484	37.140	1.01	35.9	10.8	5.0	
110	-1.665	-1.667	34.446	27.727	32.491	37.148	1.32	35.3	8.4	7.5	
120	-1.663	-1.666	34.450	27.730	32.494	37.151	1.00	35.0	7.9	7.4	
130	-1.658	-1.661	34.456	27.735	32.499	37.155	1.21	34.5	7.9	8.7	
140	-1.618	-1.621	34.458	27.735	32.498	37.153	0.30	34.4	9.6	8.6	
150	-1.556	-1.559	34.464	27.738	32.499	37.152	0.92	34.1	10.8	7.8	
160	-1.477	-1.481	34.471	27.742	32.500	37.151	0.94	33.7	10.3	6.6	
170	-1.497	-1.501	34.475	27.745	32.504	37.156	1.12	33.3	8.8	4.4	
180	-1.407	-1.411	34.492	27.756	32.512	37.161	1.80	32.3	7.8	5.1	
190	-1.431	-1.436	34.491	27.756	32.513	37.162	0.19	32.2	7.1	5.4	
200	-1.352	-1.357	34.483	27.747	32.501	37.149	-1.73	33.1	6.0	7.3	
210	-1.296	-1.301	34.502	27.761	32.513	37.158	2.03	31.8	5.8	8.1	
220	-1.159	-1.165	34.518	27.769	32.517	37.158	1.50	31.1	7.0	8.5	
230	-1.039	-1.045	34.523	27.769	32.513	37.150	-0.62	31.2	6.8	8.4	
240	-0.936	-0.943	34.524	27.765	32.506	37.141	-1.11	31.5	6.7	10.2	
250	-0.693	-0.701	34.549	27.776	32.509	37.136	1.62	30.7	5.7	8.8	
260	-0.499	-0.508	34.566	27.781	32.508	37.129	1.07	30.3	3.4	8.9	
270	-0.493	-0.502	34.558	27.774	32.501	37.122	-1.45	30.9	4.7	8.7	
280	-0.316	-0.326	34.579	27.783	32.505	37.120	1.50	30.2	6.1	10.1	
290	-0.173	-0.184	34.590	27.785	32.502	37.113	0.44	30.2	5.8	9.6	
300	-0.082	-0.093	34.597	27.786	32.500	37.109	0.27	30.1	6.0	9.6	
325	0.186	0.173	34.631	27.799	32.505	37.106	1.15	29.1	6.1	9.1	
350	0.297	0.283	34.641	27.801	32.504	37.101	0.32	29.1	8.0	6.8	
375	0.320	0.305	34.644	27.802	32.504	37.101	0.34	29.0	10.0	9.0	
400	0.374	0.357	34.644	27.799	32.500	37.095	-0.67	29.3	12.2	4.4	
425	0.440	0.422	34.654	27.803	32.502	37.095	0.66	29.0	10.5	0.9	
450	0.482	0.463	34.666	27.811	32.508	37.100	0.92	28.4	7.0	0.7	
475	0.559	0.538	34.670	27.809	32.505	37.094	-0.54	28.7	6.6	0.3	
500	0.578	0.556	34.675	27.812	32.507	37.096	0.58	28.5	4.7	1.4	
550	0.653	0.628	34.684	27.815	32.508	37.095	0.33	28.4	6.3	1.2	
600	0.663	0.635	34.687	27.817	32.509	37.096	0.34	28.3	6.1	3.5	

# AARI 022



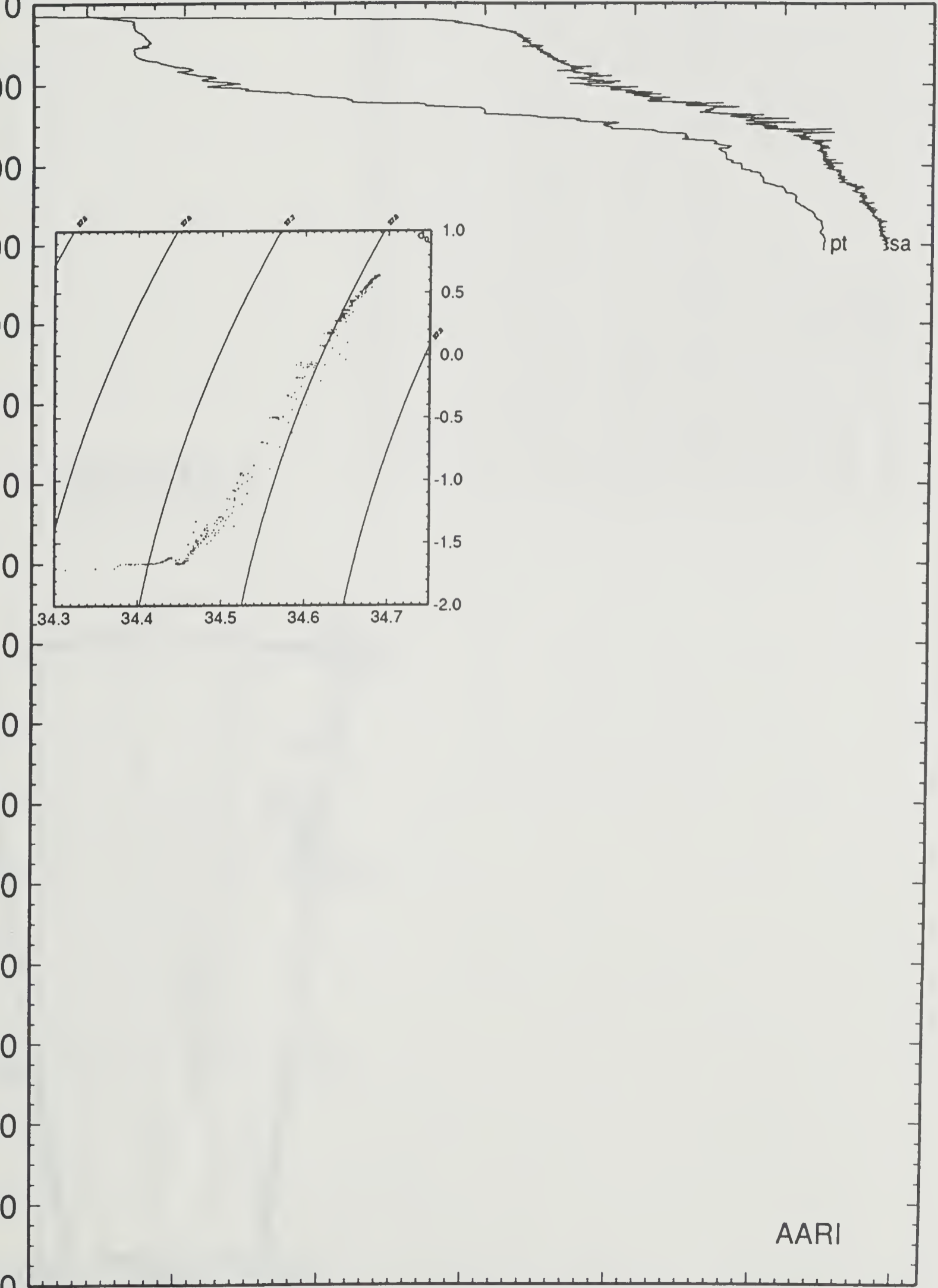
22

93/03/22 22:01

70 0.04 S 53 45.05 W

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



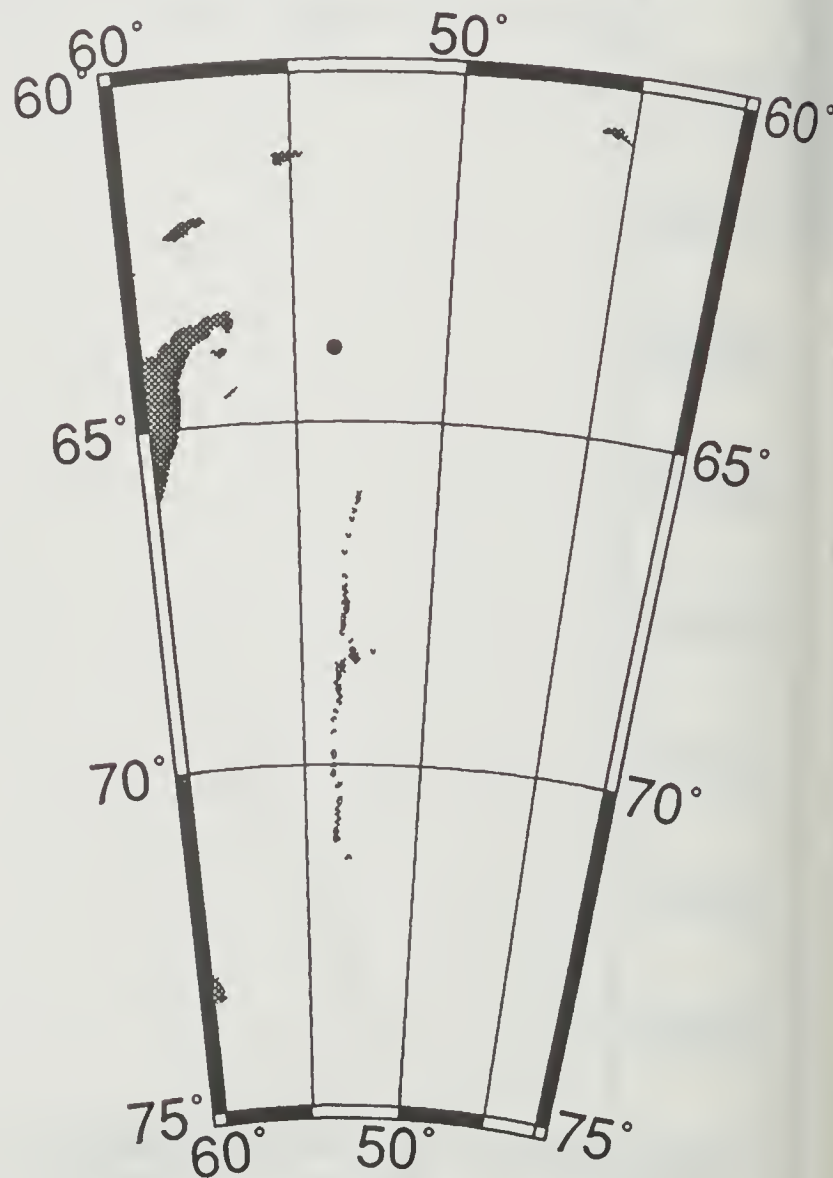
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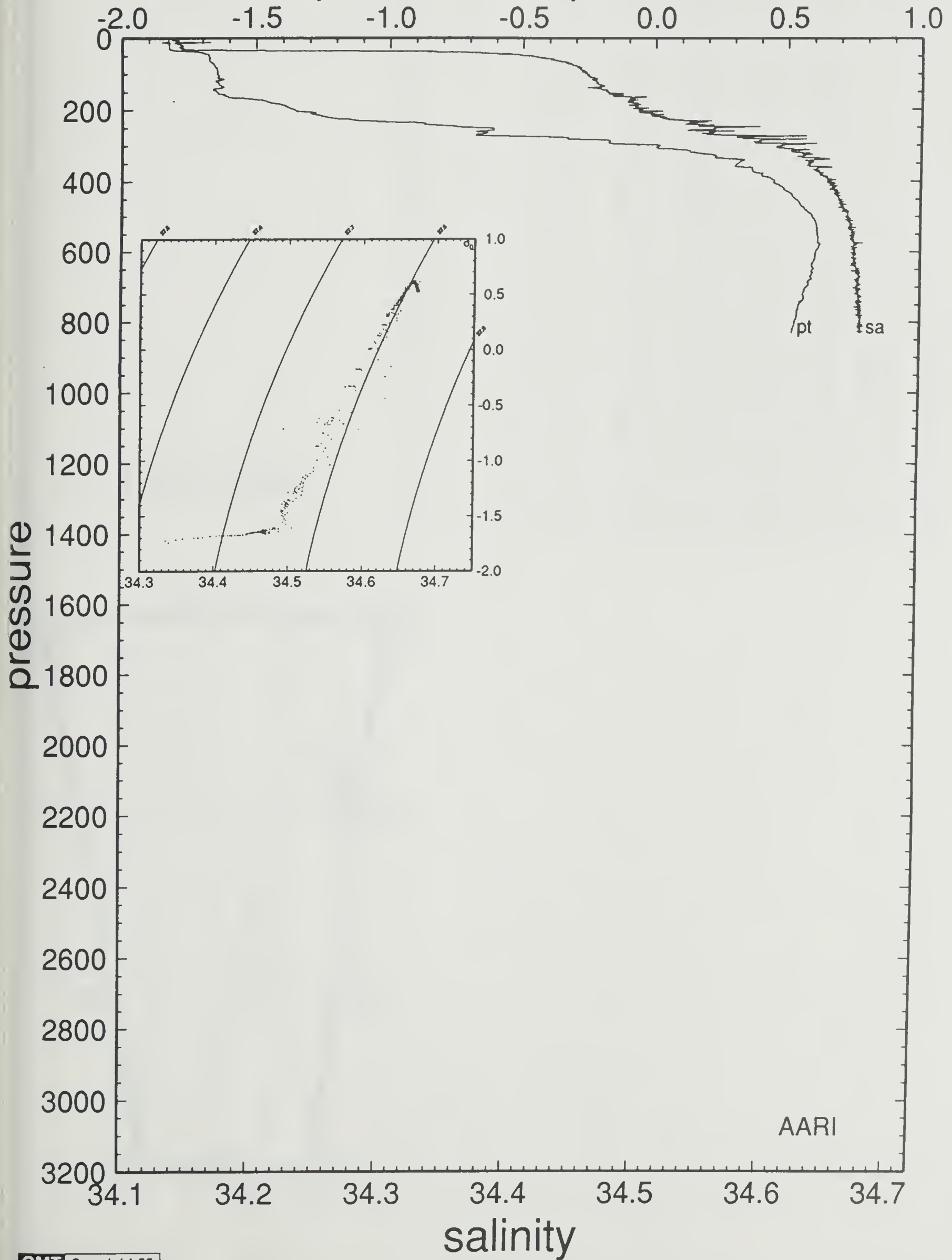
ISW-1	-63.9203 S	-53.7007 W	93/03/23	83	17:57	RUSS	CTD	#	23		
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.811	-1.811	34.127	27.471	32.243	36.907	0.00	60.1	7.9	-6.8	
10	-1.828	-1.828	34.143	27.485	32.257	36.922	2.05	58.8	1.2	-2.8	
20	-1.826	-1.826	34.145	27.487	32.258	36.923	0.70	58.5	-0.9	-0.3	
30	-1.825	-1.826	34.146	27.487	32.259	36.924	0.50	58.4	0.4	0.8	
40	-1.711	-1.712	34.353	27.653	32.419	37.078	7.19	42.7	-1.0	0.9	
50	-1.677	-1.678	34.412	27.700	32.464	37.122	3.83	38.2	2.2	0.0	
60	-1.675	-1.676	34.433	27.717	32.481	37.139	2.31	36.6	2.4	-2.8	
70	-1.662	-1.663	34.445	27.726	32.490	37.147	1.71	35.6	2.9	-5.5	
80	-1.655	-1.657	34.453	27.732	32.496	37.153	1.40	35.0	-0.3	-6.4	
90	-1.645	-1.647	34.455	27.734	32.497	37.153	0.64	34.8	-5.8	-3.7	
100	-1.646	-1.648	34.459	27.737	32.500	37.157	1.01	34.4	-3.0	1.5	
110	-1.643	-1.645	34.462	27.739	32.503	37.159	0.86	34.1	2.8	2.2	
120	-1.651	-1.654	34.466	27.743	32.506	37.163	1.05	33.8	6.0	-1.1	
130	-1.637	-1.640	34.469	27.745	32.508	37.164	0.79	33.5	4.3	-4.4	
140	-1.647	-1.650	34.470	27.746	32.509	37.166	0.60	33.4	3.1	-6.0	
150	-1.645	-1.648	34.476	27.751	32.514	37.170	1.23	32.8	1.1	-5.9	
160	-1.615	-1.619	34.485	27.757	32.520	37.175	1.40	32.2	0.3	-5.3	
170	-1.510	-1.514	34.494	27.761	32.520	37.172	1.05	31.8	0.1	-3.8	
180	-1.445	-1.449	34.493	27.758	32.515	37.165	-1.00	32.1	-0.1	-3.3	
190	-1.388	-1.393	34.497	27.760	32.515	37.163	0.58	31.9	0.4	-1.7	
200	-1.356	-1.361	34.503	27.764	32.518	37.165	1.06	31.5	0.6	-1.3	
210	-1.279	-1.284	34.501	27.759	32.511	37.156	-1.22	31.9	1.6	-2.5	
220	-1.238	-1.244	34.517	27.771	32.521	37.165	1.88	30.8	0.0	-1.3	
230	-1.115	-1.121	34.528	27.775	32.522	37.161	1.06	30.5	0.1	0.3	
240	-0.861	-0.868	34.539	27.775	32.513	37.145	-0.93	30.7	0.3	0.9	
250	-0.685	-0.693	34.587	27.806	32.539	37.165	3.07	27.8	-0.2	-2.1	
260	-0.651	-0.659	34.541	27.767	32.500	37.125	-3.49	31.5	-0.4	-0.3	
270	-0.666	-0.675	34.556	27.780	32.513	37.139	2.01	30.2	-0.1	-2.0	
280	-0.325	-0.335	34.577	27.782	32.504	37.119	-0.68	30.3	-0.5	-2.7	
290	-0.164	-0.175	34.595	27.788	32.505	37.116	1.28	29.8	-1.8	-2.7	
300	-0.020	-0.031	34.625	27.805	32.518	37.124	2.20	28.4	-1.6	-2.1	
325	0.191	0.178	34.630	27.798	32.504	37.104	-1.07	29.2	-0.3	-1.7	
350	0.330	0.316	34.634	27.793	32.496	37.092	-0.86	29.8	-0.6	-2.1	
375	0.382	0.366	34.638	27.794	32.494	37.089	-0.18	29.8	-0.5	-1.7	
400	0.465	0.448	34.650	27.799	32.497	37.089	0.70	29.5	-0.4	-0.9	
425	0.501	0.483	34.651	27.797	32.494	37.086	-0.46	29.7	1.1	-0.5	
450	0.542	0.522	34.656	27.799	32.495	37.085	0.38	29.6	0.4	-2.5	
475	0.576	0.555	34.659	27.800	32.494	37.084	-0.03	29.6	2.2	-0.9	
500	0.613	0.591	34.663	27.801	32.494	37.083	0.26	29.6	1.8	-1.6	
550	0.635	0.610	34.667	27.803	32.496	37.083	0.33	29.5	2.1	0.7	
600	0.635	0.607	34.668	27.804	32.497	37.085	0.25	29.5	4.4	-0.6	
650	0.628	0.598	34.670	27.806	32.499	37.087	0.38	29.4	4.0	-0.7	
700	0.608	0.575	34.670	27.807	32.501	37.090	0.34	29.3	5.2	-0.7	
750	0.582	0.547	34.672	27.810	32.505	37.095	0.50	29.0	6.3	1.0	
800	0.568	0.530	34.673	27.812	32.508	37.098	0.37	28.8	6.2	2.5	

AARI 023



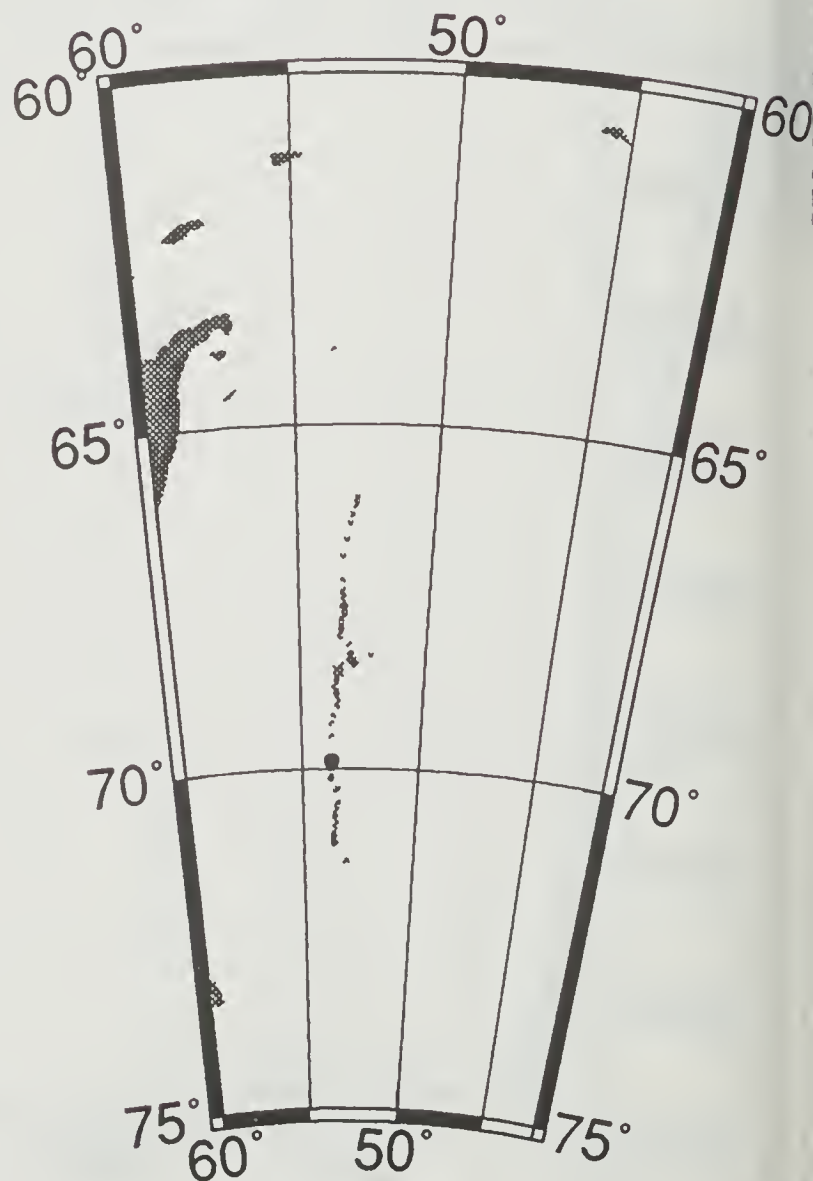
23 93/03/23 17:57 63 55.22 S 53 42.04 W

# potential temperature



ISW-1	-69.8842 S	-53.7175 W	93/03/24	84	16:19	RUSS CTD	# 24				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.813	-1.813	34.145	27.486	32.258	36.922	0.00	58.7	0.6	-3.9	
10	-1.821	-1.821	34.155	27.495	32.266	36.930	1.62	57.9	0.3	0.6	
20	-1.821	-1.821	34.158	27.497	32.269	36.933	0.87	57.6	2.8	5.3	
30	-1.824	-1.825	34.175	27.511	32.282	36.947	2.09	56.2	8.4	4.6	
40	-1.696	-1.697	34.414	27.702	32.467	37.125	7.72	38.1	6.1	-2.3	
50	-1.682	-1.683	34.453	27.733	32.498	37.155	3.13	35.1	1.6	-2.7	
60	-1.680	-1.681	34.459	27.738	32.502	37.160	1.23	34.5	-0.1	-2.0	
70	-1.679	-1.680	34.465	27.743	32.507	37.164	1.23	34.0	0.0	-0.9	
80	-1.678	-1.680	34.466	27.744	32.508	37.165	0.50	33.9	-0.4	-0.3	
90	-1.677	-1.679	34.468	27.745	32.510	37.167	0.71	33.7	0.7	0.7	
100	-1.673	-1.675	34.471	27.747	32.512	37.169	0.85	33.4	2.3	1.9	
110	-1.672	-1.674	34.473	27.749	32.513	37.170	0.71	33.2	3.0	1.3	
120	-1.673	-1.676	34.474	27.750	32.514	37.171	0.52	33.1	3.9	2.0	
130	-1.671	-1.674	34.475	27.751	32.515	37.172	0.49	33.0	5.0	2.2	
140	-1.677	-1.680	34.477	27.752	32.517	37.174	0.76	32.7	4.3	1.4	
150	-1.623	-1.626	34.486	27.758	32.521	37.176	1.31	32.2	5.2	0.2	
160	-1.519	-1.523	34.487	27.756	32.515	37.167	-0.94	32.4	6.0	-1.7	
170	-1.520	-1.524	34.494	27.762	32.521	37.173	1.34	31.8	5.3	-3.0	
180	-1.496	-1.500	34.497	27.763	32.522	37.173	0.70	31.6	2.6	-3.0	
190	-1.581	-1.585	34.493	27.763	32.524	37.178	-0.19	31.5	0.2	-3.5	
200	-1.684	-1.688	34.491	27.764	32.529	37.186	0.80	31.3	-2.6	-1.4	
210	-1.703	-1.708	34.493	27.766	32.531	37.189	0.85	31.0	-1.3	0.9	
220	-1.742	-1.747	34.492	27.767	32.533	37.192	0.42	30.9	1.7	0.6	
230	-1.769	-1.774	34.494	27.769	32.536	37.196	0.90	30.6	2.9	-0.7	
240	-1.731	-1.736	34.500	27.773	32.539	37.197	1.05	30.2	2.1	-1.7	
250	-1.632	-1.638	34.510	27.778	32.541	37.196	1.19	29.8	2.0	-2.7	
260	-1.573	-1.579	34.505	27.772	32.533	37.187	-1.40	30.3	1.0	-2.5	
270	-1.244	-1.251	34.570	27.814	32.564	37.207	3.50	26.6	0.7	-1.3	
280	-0.911	-0.919	34.552	27.787	32.527	37.160	-3.06	29.3	0.4	-0.3	
290	-0.662	-0.671	34.566	27.788	32.520	37.146	-0.62	29.4	-1.5	-0.8	
300	-0.433	-0.443	34.611	27.814	32.539	37.158	2.74	27.2	-3.4	-0.9	
325	-0.127	-0.139	34.616	27.803	32.519	37.129	-1.31	28.4	-4.0	-0.8	
350	0.113	0.099	34.627	27.800	32.508	37.111	-0.87	29.0	-2.9	2.2	
375	0.243	0.228	34.656	27.816	32.521	37.119	1.36	27.6	-2.8	2.9	
400	0.386	0.369	34.649	27.802	32.503	37.098	-1.38	29.0	-0.9	2.0	
425	0.463	0.445	34.664	27.810	32.508	37.101	0.92	28.4	-1.8	2.2	
450	0.496	0.476	34.661	27.806	32.503	37.094	-0.77	28.9	-1.5	1.5	
475	0.524	0.503	34.662	27.805	32.501	37.092	-0.38	29.0	0.2	1.7	
500	0.569	0.547	34.668	27.807	32.502	37.092	0.44	28.9	-1.2	0.2	
550	0.627	0.602	34.673	27.808	32.501	37.089	-0.11	29.0	-0.3	-1.3	
600	0.621	0.594	34.675	27.810	32.504	37.092	0.38	28.9	1.2	-1.7	
650	0.573	0.543	34.672	27.811	32.506	37.095	0.31	28.8	1.3	-2.7	
700	0.580	0.548	34.675	27.813	32.508	37.097	0.36	28.7	2.8	-1.4	
750	0.566	0.531	34.678	27.816	32.512	37.101	0.48	28.4	4.4	-1.3	
800	0.549	0.511	34.680	27.819	32.515	37.105	0.45	28.2	3.4	0.8	
850	0.514	0.474	34.679	27.820	32.518	37.109	0.38	28.0	4.2	0.0	
900	0.480	0.437	34.680	27.823	32.522	37.114	0.49	27.7	3.0	2.4	
950	0.447	0.402	34.679	27.825	32.524	37.117	0.37	27.6	2.4	1.6	
1000	0.424	0.376	34.678	27.825	32.525	37.120	0.30	27.5	2.0	2.5	

AARI 024





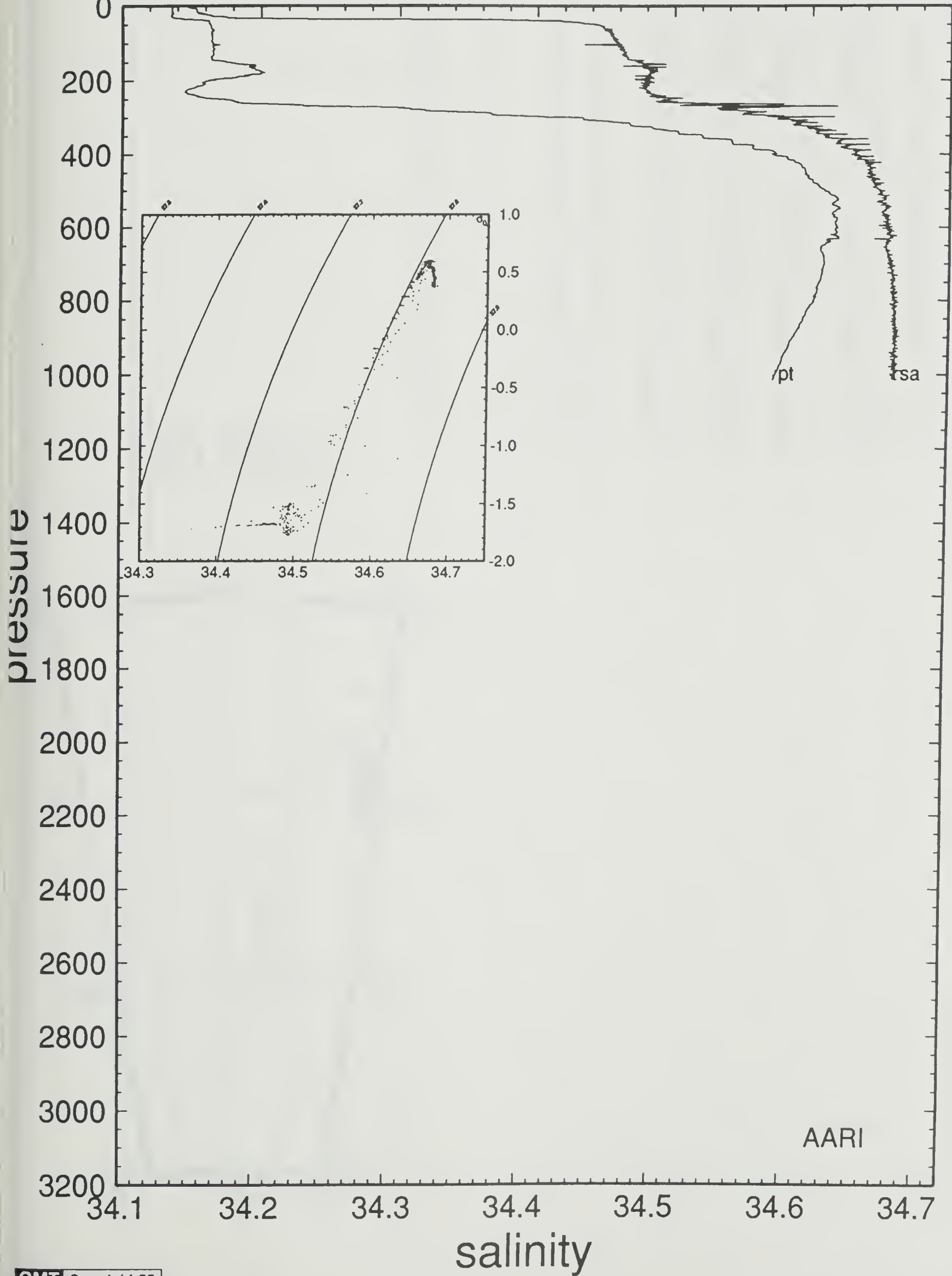
24

93/03/24 16:19

69 53.05 S 53 43.05 W

# potential temperature

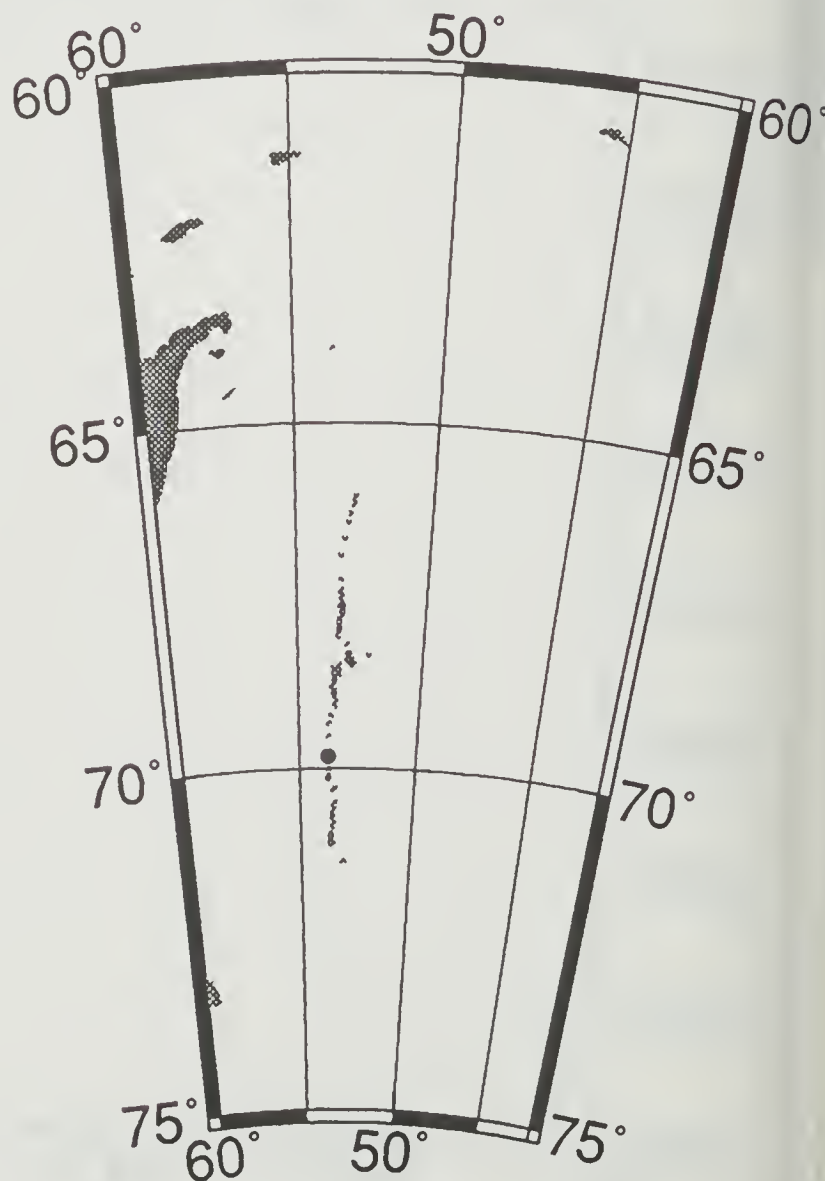
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AARI

ISW-1	-69.8197 S	-53.7742 W	93/03/25	85	16:30	RUSS CTD	# 25				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.821	-1.821	34.197	27.529	32.300	36.964	0.00	54.7	6.0	-5.6	
10	-1.825	-1.825	34.198	27.530	32.301	36.965	0.54	54.5	-0.9	-4.4	
20	-1.823	-1.823	34.200	27.531	32.303	36.966	0.70	54.3	0.9	0.5	
30	-1.822	-1.823	34.201	27.532	32.303	36.967	0.50	54.2	4.5	2.8	
40	-1.815	-1.816	34.275	27.592	32.362	37.025	4.33	48.4	7.0	-1.7	
50	-1.752	-1.753	34.409	27.699	32.467	37.126	5.79	38.2	3.9	-3.0	
60	-1.703	-1.704	34.461	27.740	32.505	37.163	3.57	34.3	0.0	-2.0	
70	-1.712	-1.713	34.464	27.743	32.508	37.167	0.92	34.0	0.7	-1.3	
80	-1.706	-1.708	34.477	27.753	32.518	37.176	1.80	33.0	0.3	1.5	
90	-1.718	-1.720	34.478	27.754	32.520	37.178	0.61	32.8	1.7	2.6	
100	-1.719	-1.721	34.482	27.758	32.523	37.182	1.01	32.4	2.5	3.0	
110	-1.723	-1.725	34.483	27.759	32.524	37.183	0.54	32.3	4.0	2.6	
120	-1.696	-1.699	34.483	27.758	32.523	37.180	-0.52	32.3	5.3	2.3	
130	-1.721	-1.724	34.485	27.760	32.526	37.184	0.87	32.0	5.2	0.9	
140	-1.693	-1.696	34.486	27.760	32.525	37.182	-0.18	32.0	-1.1	-3.1	
150	-1.670	-1.673	34.489	27.762	32.526	37.183	0.72	31.8	1.6	0.1	
160	-1.647	-1.651	34.493	27.765	32.528	37.184	0.88	31.5	6.2	2.6	
170	-1.548	-1.552	34.501	27.768	32.528	37.181	0.97	31.1	6.3	-0.7	
180	-1.439	-1.443	34.506	27.769	32.525	37.175	0.08	31.1	4.3	-1.2	
190	-1.262	-1.267	34.521	27.775	32.526	37.170	1.27	30.6	2.9	-1.1	
200	-1.092	-1.097	34.549	27.792	32.537	37.176	2.20	29.1	2.5	-2.7	
210	-1.073	-1.079	34.537	27.781	32.526	37.164	-1.81	30.0	1.9	-0.6	
220	-0.917	-0.923	34.564	27.797	32.537	37.170	2.15	28.6	1.2	-0.8	
230	-0.793	-0.800	34.565	27.793	32.529	37.159	-1.26	29.0	1.2	0.7	
240	-0.613	-0.621	34.579	27.796	32.527	37.151	0.85	28.8	0.7	-0.1	
250	-0.425	-0.433	34.616	27.818	32.542	37.161	2.50	26.9	0.0	-0.3	
260	-0.322	-0.331	34.597	27.798	32.519	37.135	-2.56	28.9	-1.4	-0.6	
270	-0.127	-0.137	34.630	27.815	32.530	37.140	2.19	27.4	-2.5	-0.2	
280	-0.006	-0.017	34.633	27.811	32.523	37.129	-1.23	27.9	-1.8	-0.8	
290	0.059	0.048	34.632	27.807	32.517	37.121	-1.22	28.3	-1.7	-0.1	
300	0.113	0.101	34.634	27.805	32.514	37.116	-0.74	28.5	-2.1	0.0	
325	0.256	0.243	34.649	27.810	32.514	37.112	0.60	28.2	-1.6	-0.0	
350	0.333	0.319	34.655	27.810	32.512	37.108	-0.17	28.2	-1.6	-0.1	
375	0.417	0.401	34.661	27.810	32.510	37.103	-0.32	28.3	-1.4	0.2	
400	0.448	0.431	34.662	27.809	32.508	37.101	-0.40	28.5	-0.5	1.0	
425	0.476	0.458	34.668	27.813	32.510	37.102	0.60	28.2	-0.0	1.2	
450	0.497	0.477	34.670	27.813	32.510	37.101	0.15	28.2	0.7	1.3	
475	0.512	0.491	34.672	27.814	32.510	37.101	0.27	28.2	0.9	-0.4	
500	0.537	0.515	34.674	27.814	32.510	37.100	-0.14	28.3	1.1	-1.1	
550	0.566	0.541	34.680	27.817	32.512	37.102	0.42	28.1	1.6	-0.2	
600	0.592	0.565	34.685	27.820	32.514	37.103	0.37	27.9	2.4	0.3	
650	0.590	0.560	34.687	27.822	32.516	37.105	0.35	27.8	2.9	-2.1	
700	0.577	0.545	34.687	27.823	32.518	37.107	0.28	27.8	4.6	0.3	

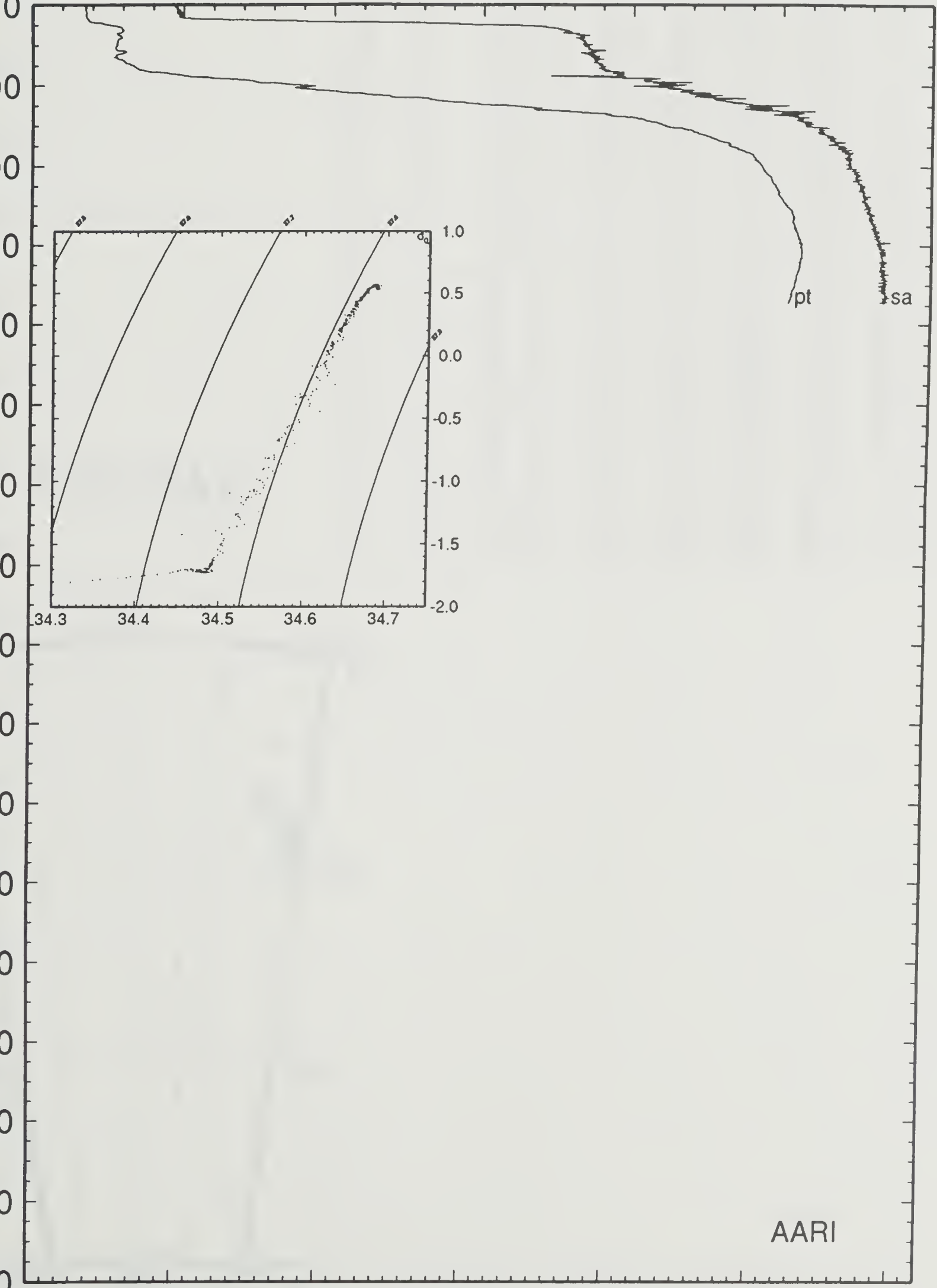
AARI 025



25 93/03/25 16:30 69 49.18 S 53 46.45 W

# potential temperature

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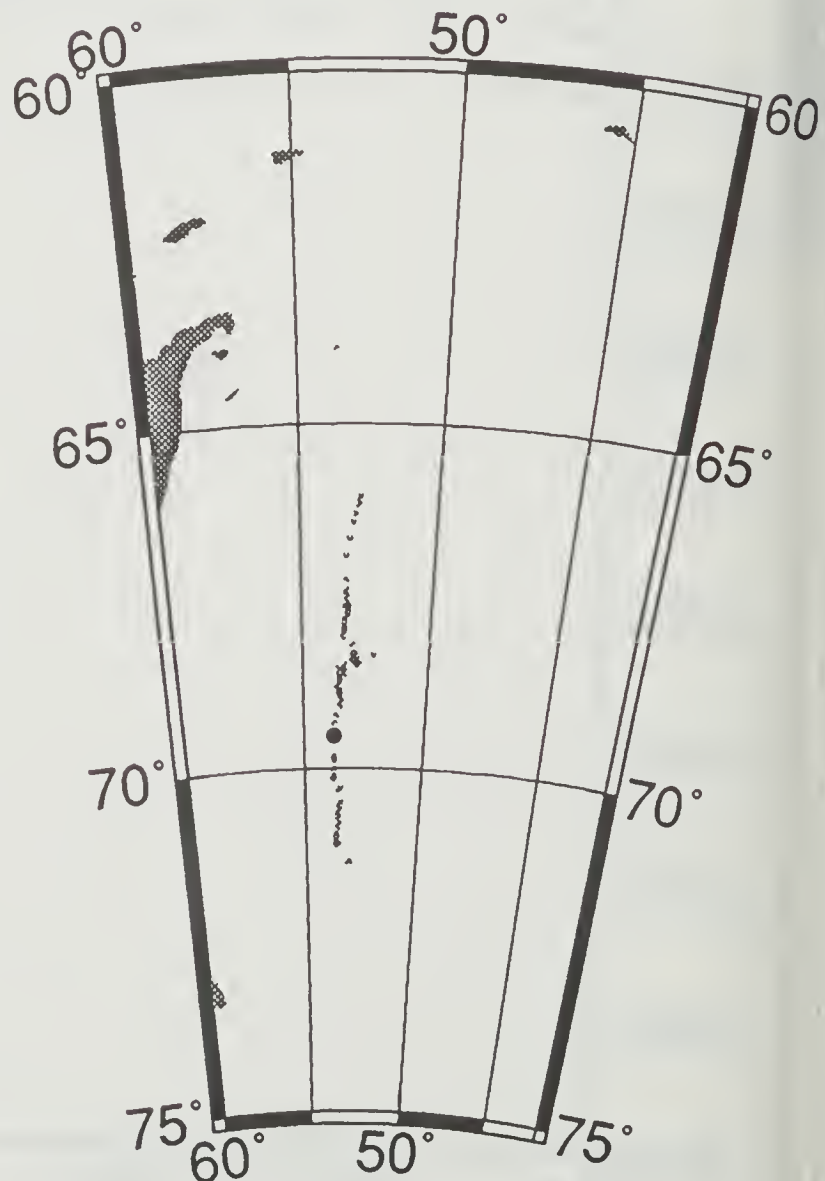
pressure

salinity

AARI

ISW-1	-69.5178 S	-53.7355 W	93/03/27	87	16:30	RUSS CTD	# 27				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.804	-1.804	34.349	27.652	32.421	37.083	0.00	43.0	20.4	-2.7	
10	-1.818	-1.818	34.362	27.663	32.433	37.095	1.85	41.9	1.6	-8.7	
20	-1.817	-1.817	34.363	27.664	32.433	37.096	0.50	41.8	-3.0	-6.6	
30	-1.816	-1.817	34.365	27.665	32.435	37.097	0.71	41.6	-6.1	-3.1	
40	-1.813	-1.814	34.370	27.669	32.439	37.101	1.12	41.1	-4.6	-5.4	
50	-1.807	-1.808	34.382	27.679	32.448	37.110	1.73	40.2	-1.5	2.4	
60	-1.764	-1.765	34.447	27.730	32.498	37.158	4.02	35.2	-5.5	2.0	
70	-1.755	-1.756	34.460	27.741	32.508	37.167	1.80	34.2	-3.4	0.9	
80	-1.765	-1.767	34.469	27.748	32.516	37.175	1.54	33.4	-5.7	1.3	
90	-1.757	-1.759	34.470	27.749	32.516	37.175	0.42	33.3	-3.3	4.0	
100	-1.759	-1.761	34.473	27.752	32.518	37.178	0.89	33.0	-4.5	8.0	
110	-1.762	-1.764	34.475	27.753	32.520	37.180	0.73	32.8	-26.5	16.0	
120	-1.758	-1.760	34.476	27.754	32.521	37.180	0.47	32.7	-2.3	3.5	
130	-1.747	-1.750	34.480	27.757	32.523	37.183	0.95	32.3	-3.3	8.1	
140	-1.737	-1.740	34.480	27.757	32.523	37.182	-0.31	32.3	-1.2	7.8	
150	-1.744	-1.747	34.479	27.756	32.522	37.182	-0.42	32.3	-2.3	9.4	
160	-1.723	-1.726	34.485	27.760	32.526	37.184	1.14	31.9	0.1	16.4	
170	-1.711	-1.715	34.486	27.761	32.526	37.184	0.36	31.8	8.1	16.9	
180	-1.694	-1.698	34.487	27.761	32.526	37.183	0.27	31.7	12.8	12.9	
190	-1.672	-1.676	34.490	27.763	32.527	37.184	0.72	31.5	12.7	11.6	
200	-1.656	-1.660	34.492	27.764	32.528	37.184	0.58	31.3	12.6	7.3	
210	-1.653	-1.658	34.492	27.764	32.528	37.184	-0.18	31.3	12.4	4.5	
220	-1.600	-1.605	34.490	27.761	32.523	37.177	-1.05	31.6	11.3	4.1	
230	-1.534	-1.539	34.495	27.763	32.523	37.175	0.70	31.4	10.8	1.6	
240	-1.462	-1.468	34.499	27.764	32.521	37.172	0.38	31.3	9.5	1.5	
250	-1.379	-1.385	34.508	27.769	32.523	37.171	1.11	30.8	7.4	0.6	
260	-1.226	-1.233	34.523	27.775	32.525	37.168	1.33	30.3	7.5	0.8	
270	-1.165	-1.172	34.526	27.776	32.524	37.165	-0.28	30.3	7.3	0.9	
280	-0.879	-0.887	34.561	27.793	32.532	37.164	2.16	28.8	5.0	-0.8	
290	-0.616	-0.625	34.569	27.789	32.519	37.144	-1.47	29.4	4.4	-2.1	
300	-0.525	-0.535	34.577	27.791	32.519	37.141	0.71	29.3	3.8	-2.0	
325	-0.109	-0.121	34.625	27.810	32.525	37.134	1.36	27.8	2.4	-2.3	
350	0.130	0.116	34.631	27.802	32.510	37.112	-1.12	28.8	-1.2	5.5	
375	0.244	0.229	34.646	27.808	32.513	37.111	0.76	28.4	2.9	10.5	
400	0.313	0.296	34.648	27.806	32.508	37.105	-0.61	28.7	13.2	4.7	
425	0.364	0.346	34.657	27.810	32.511	37.106	0.69	28.3	8.5	-1.1	
450	0.450	0.431	34.662	27.809	32.508	37.101	-0.50	28.5	5.2	-0.1	
475	0.501	0.480	34.667	27.810	32.507	37.099	0.22	28.5	5.3	0.7	
500	0.510	0.488	34.672	27.814	32.511	37.102	0.66	28.2	7.2	0.4	
550	0.584	0.559	34.674	27.811	32.506	37.095	-0.49	28.6	8.3	0.6	
600	0.558	0.531	34.676	27.815	32.510	37.100	0.49	28.3	7.9	1.3	
650	0.569	0.539	34.679	27.817	32.512	37.101	0.33	28.3	8.5	0.0	
700	0.571	0.539	34.681	27.818	32.513	37.103	0.32	28.2	-4.0	10.7	
750	0.554	0.519	34.684	27.822	32.518	37.108	0.50	27.9	9.6	4.5	
800	0.529	0.492	34.683	27.823	32.519	37.110	0.30	27.8	8.2	1.9	
850	0.495	0.455	34.684	27.826	32.523	37.115	0.49	27.5	8.9	-1.5	
900	0.468	0.426	34.684	27.827	32.526	37.119	0.39	27.3	11.7	-3.9	
950	0.440	0.395	34.685	27.830	32.529	37.123	0.46	27.0	15.8	-4.8	
1000	0.415	0.367	34.684	27.831	32.531	37.125	0.32	27.0	14.5	-0.3	

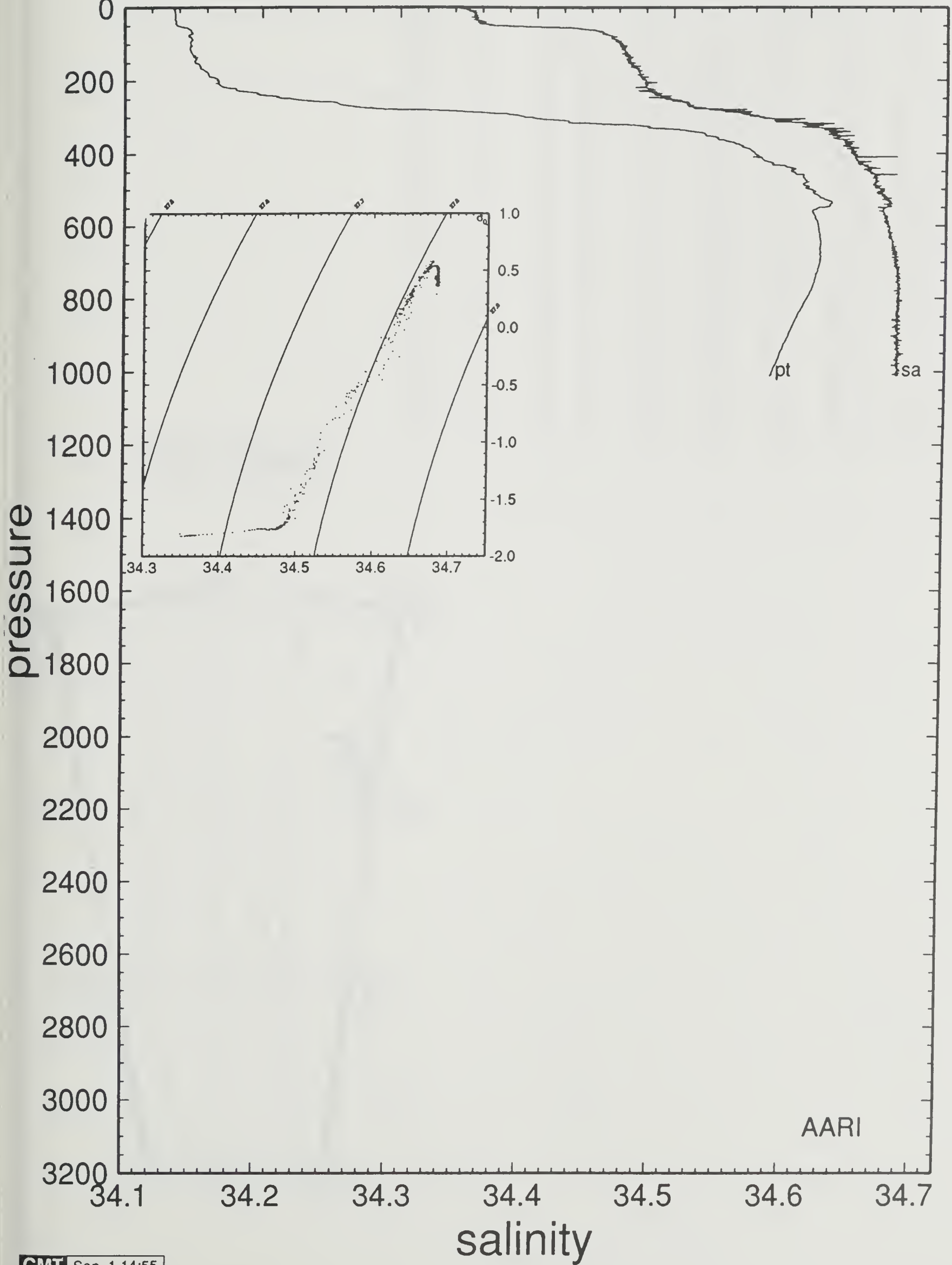
AARI 027



27 93/03/27 16:30 69 31.07 S 53 44.13 W

# potential temperature

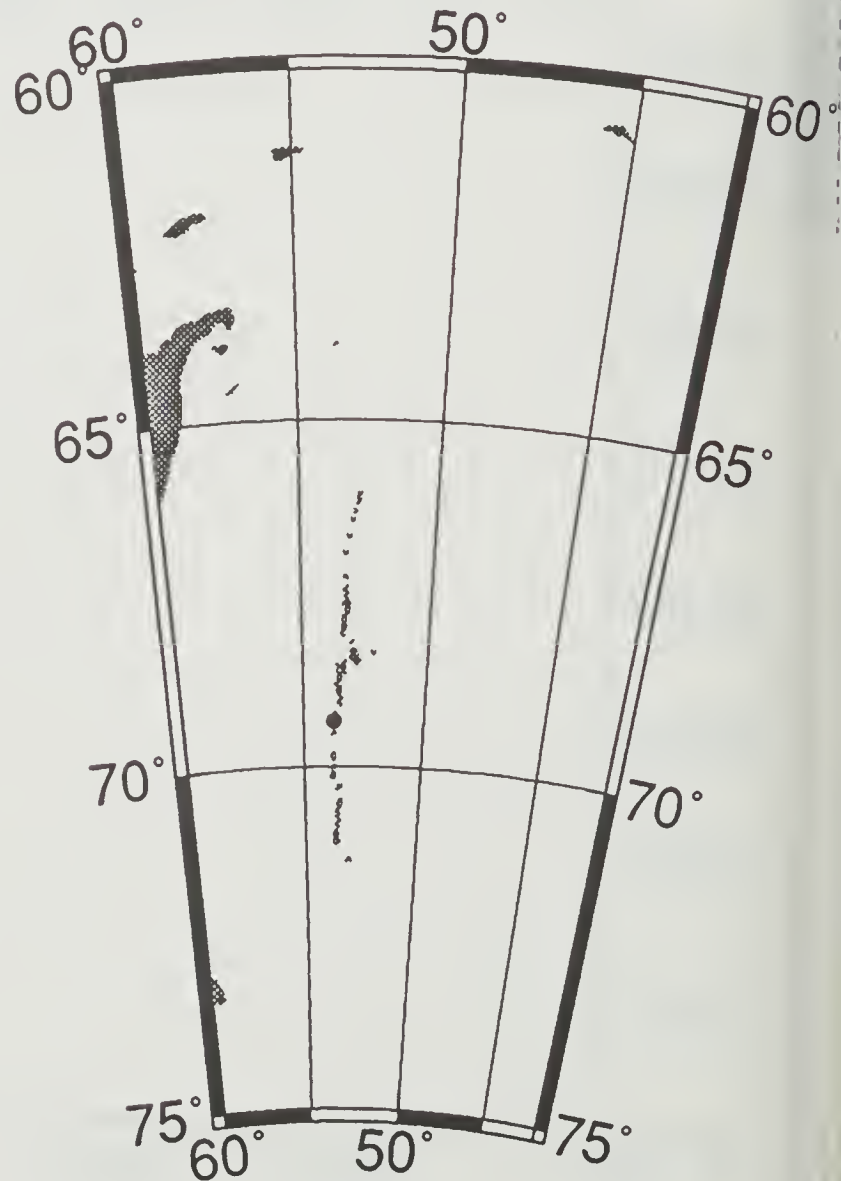
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AARI

ISW-1	-69.3383 S	-53.7353 W	93/03/28	88	16:35	RUSS_CTD	#28				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.842	-1.842	34.310	27.621	32.392	37.056	0.00	45.9	13.4	-1.7	
10	-1.843	-1.843	34.319	27.628	32.399	37.063	1.52	45.2	8.0	-2.2	
20	-1.843	-1.843	34.318	27.628	32.399	37.062	-0.50	45.2	-0.1	-8.5	
30	-1.842	-1.843	34.317	27.627	32.398	37.061	-0.51	45.2	-3.5	-6.6	
40	-1.842	-1.843	34.320	27.629	32.400	37.064	0.87	44.9	-0.4	-2.3	
50	-1.820	-1.821	34.410	27.702	32.471	37.133	4.77	38.0	-1.3	-2.2	
60	-1.777	-1.778	34.441	27.726	32.494	37.154	2.74	35.6	-0.6	0.1	
70	-1.772	-1.773	34.456	27.738	32.506	37.166	1.94	34.5	-3.5	-0.1	
80	-1.771	-1.773	34.461	27.742	32.509	37.170	1.12	34.0	-3.0	0.6	
90	-1.769	-1.771	34.464	27.744	32.512	37.172	0.86	33.7	-5.0	5.0	
100	-1.768	-1.770	34.464	27.744	32.512	37.172	-0.09	33.7	-5.2	5.5	
110	-1.763	-1.765	34.467	27.747	32.514	37.174	0.85	33.4	-4.5	7.2	
120	-1.742	-1.745	34.471	27.749	32.516	37.175	0.90	33.1	3.1	12.2	
130	-1.731	-1.734	34.471	27.749	32.515	37.174	-0.33	33.1	4.7	10.8	
140	-1.704	-1.707	34.471	27.748	32.514	37.172	-0.52	33.1	7.3	9.3	
150	-1.703	-1.706	34.474	27.751	32.516	37.174	0.87	32.8	7.4	6.2	
160	-1.610	-1.614	34.481	27.754	32.516	37.171	0.89	32.5	7.7	3.9	
170	-1.614	-1.618	34.482	27.755	32.517	37.172	0.55	32.4	7.7	2.5	
180	-1.575	-1.579	34.484	27.755	32.516	37.170	0.28	32.3	7.6	2.1	
190	-1.491	-1.496	34.487	27.755	32.513	37.165	-0.45	32.3	7.1	1.3	
200	-1.356	-1.361	34.497	27.759	32.513	37.160	0.95	32.0	6.1	2.0	
210	-1.113	-1.119	34.505	27.757	32.503	37.143	-1.06	32.3	5.7	2.1	
220	-1.134	-1.140	34.523	27.772	32.519	37.159	2.20	30.8	5.7	2.3	
230	-0.980	-0.987	34.529	27.771	32.513	37.149	-0.80	31.0	5.1	3.5	
240	-0.605	-0.613	34.544	27.768	32.498	37.123	-1.38	31.5	5.7	1.2	
250	-0.451	-0.459	34.562	27.775	32.501	37.121	1.42	30.9	7.1	2.2	
260	-0.528	-0.537	34.573	27.788	32.516	37.138	2.02	29.6	5.8	2.2	
270	-0.237	-0.247	34.582	27.781	32.501	37.114	-1.66	30.5	6.9	-7.8	
280	-0.167	-0.177	34.578	27.775	32.492	37.103	-1.51	31.1	6.5	-7.4	
290	-0.192	-0.202	34.594	27.789	32.507	37.118	2.12	29.8	3.6	-7.0	
300	-0.057	-0.068	34.595	27.783	32.497	37.104	-1.50	30.4	1.8	-6.5	
325	0.139	0.126	34.624	27.796	32.504	37.106	1.18	29.4	2.5	-4.3	
350	0.197	0.183	34.631	27.798	32.505	37.105	0.49	29.2	1.6	-2.3	
375	0.309	0.294	34.649	27.807	32.509	37.106	0.94	28.5	2.0	-1.2	
400	0.328	0.311	34.644	27.802	32.504	37.100	-0.81	29.1	3.1	-0.7	
425	0.384	0.366	34.650	27.803	32.504	37.099	0.35	29.0	2.9	2.6	
450	0.425	0.406	34.650	27.801	32.500	37.094	-0.59	29.3	4.7	2.4	
475	0.450	0.429	34.655	27.804	32.502	37.095	0.54	29.1	3.8	2.7	
500	0.510	0.488	34.663	27.807	32.504	37.095	0.51	28.9	4.9	0.5	
550	0.530	0.505	34.665	27.807	32.504	37.094	0.13	28.9	11.2	-2.5	
600	0.562	0.535	34.671	27.810	32.506	37.095	0.40	28.8	9.8	5.9	
650	0.564	0.534	34.671	27.810	32.506	37.096	0.05	28.8	3.8	-2.0	
700	0.552	0.520	34.674	27.814	32.509	37.100	0.47	28.5	13.6	0.7	

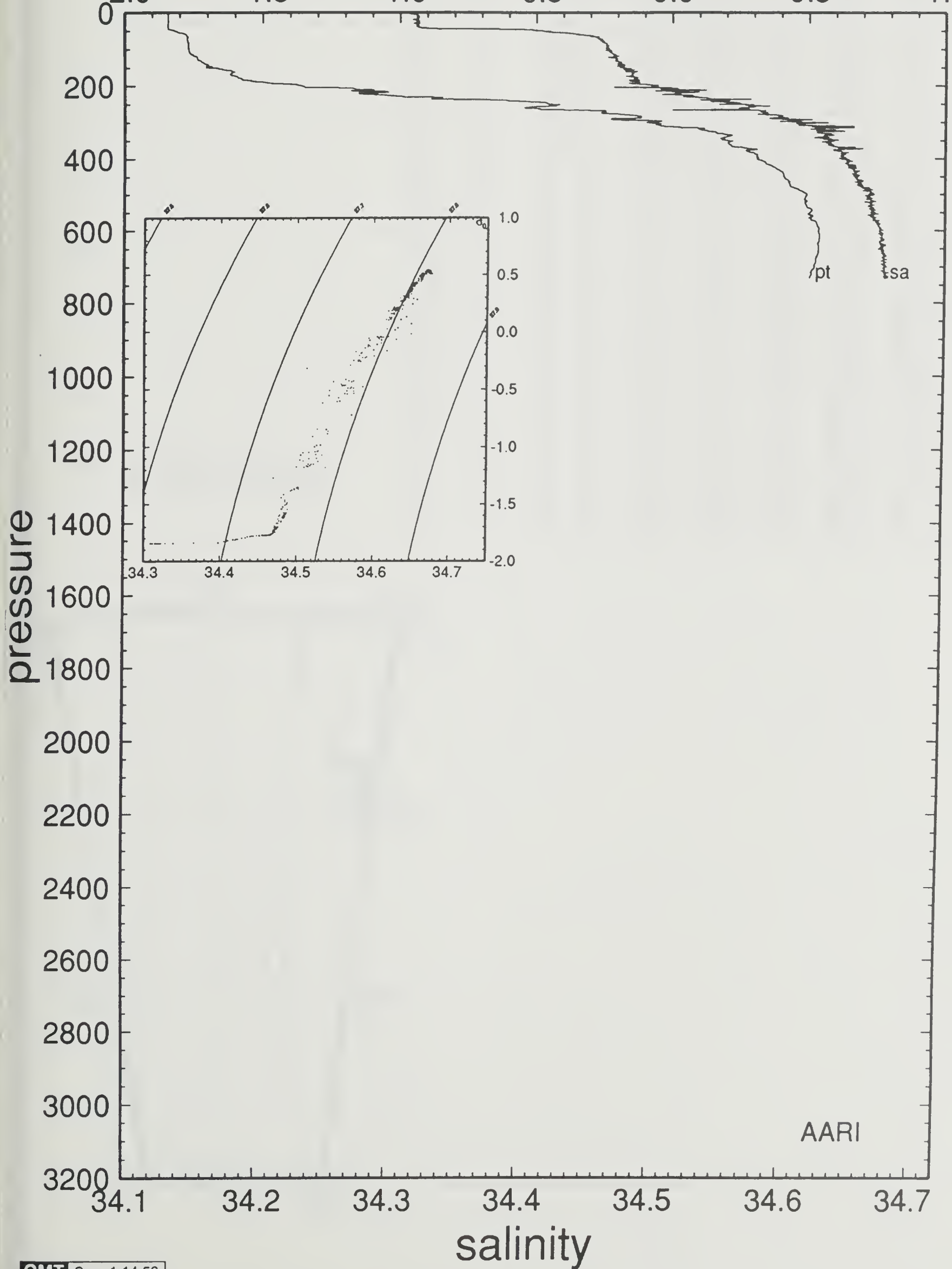
# AARI 028



28 93/03/28 16:35 69 20.30 S 53 44.12 W

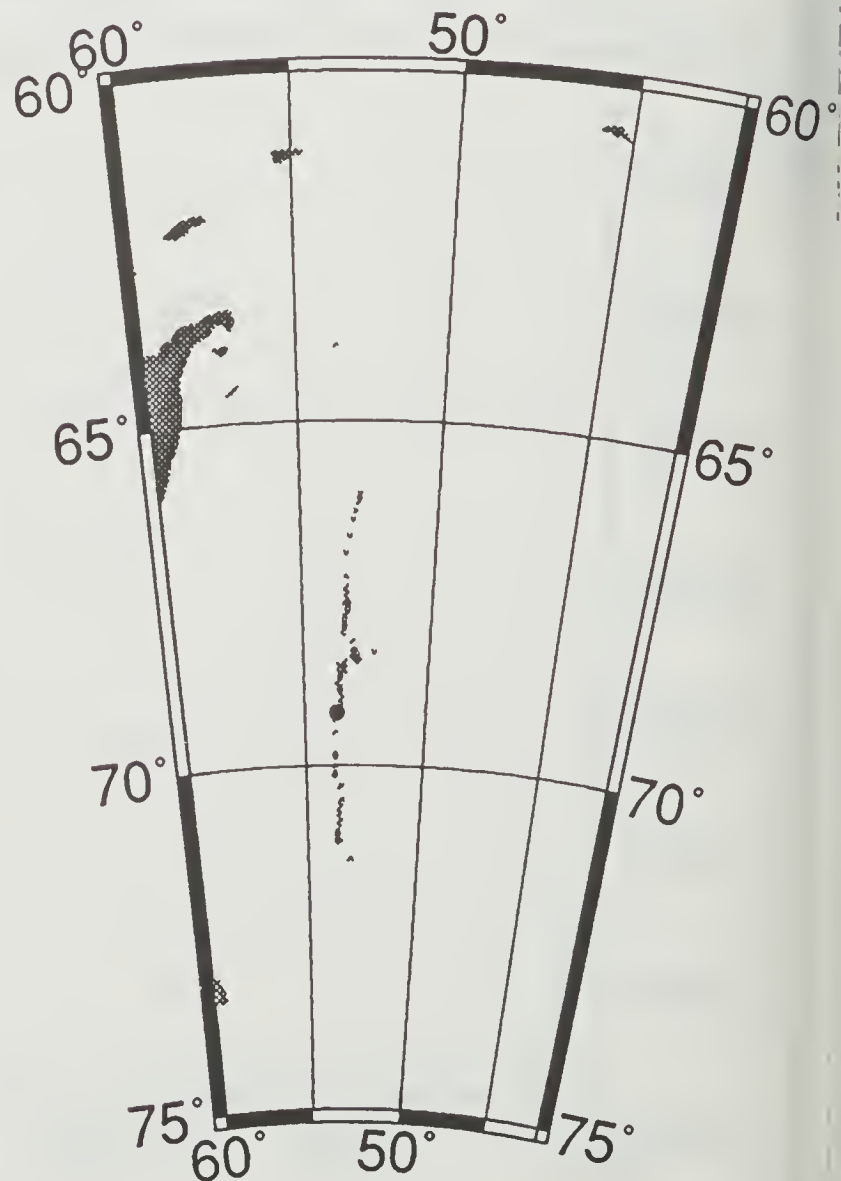
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-1	-69.2242 S	-53.6723 W	93/03/29	89	16:12	RUSS CTD	# 29				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.822	-1.822	34.348	27.652	32.421	37.084	0.00	43.0	9.8	8.1	
10	-1.844	-1.844	34.356	27.659	32.429	37.092	1.49	42.3	1.3	7.4	
20	-1.845	-1.845	34.357	27.659	32.430	37.093	0.51	42.2	4.6	8.6	
30	-1.844	-1.845	34.366	27.667	32.437	37.100	1.51	41.4	8.0	9.0	
40	-1.842	-1.843	34.383	27.681	32.451	37.114	2.08	40.1	9.3	5.8	
50	-1.840	-1.841	34.397	27.692	32.462	37.125	1.88	38.9	8.2	3.6	
60	-1.839	-1.840	34.405	27.698	32.468	37.131	1.42	38.2	6.6	0.6	
70	-1.833	-1.834	34.412	27.704	32.474	37.136	1.31	37.7	4.2	0.5	
80	-1.821	-1.823	34.425	27.714	32.483	37.145	1.79	36.6	2.7	0.4	
90	-1.786	-1.788	34.452	27.735	32.503	37.164	2.56	34.6	0.2	1.3	
100	-1.768	-1.770	34.467	27.747	32.514	37.174	1.91	33.4	1.1	1.0	
110	-1.765	-1.767	34.474	27.753	32.520	37.179	1.32	32.9	1.2	1.4	
120	-1.755	-1.757	34.476	27.754	32.521	37.180	0.64	32.7	3.1	2.5	
130	-1.749	-1.752	34.480	27.757	32.524	37.183	0.98	32.3	3.0	1.0	
140	-1.720	-1.723	34.481	27.757	32.523	37.181	-0.19	32.3	3.0	2.1	
150	-1.708	-1.711	34.482	27.757	32.523	37.181	0.36	32.2	2.4	3.7	
160	-1.700	-1.703	34.486	27.760	32.525	37.183	0.97	31.9	2.8	2.7	
170	-1.666	-1.670	34.489	27.762	32.526	37.182	0.63	31.7	3.8	4.2	
180	-1.639	-1.643	34.491	27.763	32.526	37.182	0.47	31.6	3.1	5.2	
190	-1.607	-1.611	34.493	27.763	32.525	37.180	0.39	31.5	3.8	6.3	
200	-1.546	-1.551	34.500	27.767	32.527	37.180	1.04	31.1	3.7	5.4	
210	-1.495	-1.500	34.502	27.767	32.526	37.177	-0.30	31.1	6.5	4.8	
220	-1.382	-1.388	34.513	27.773	32.527	37.175	1.19	30.6	6.0	5.3	
230	-1.319	-1.325	34.514	27.771	32.524	37.170	-0.74	30.7	2.3	7.6	
240	-1.263	-1.269	34.523	27.777	32.528	37.172	1.25	30.2	1.6	8.7	
250	-1.082	-1.089	34.530	27.776	32.521	37.160	-0.84	30.4	1.6	10.0	
260	-0.914	-0.922	34.551	27.786	32.527	37.160	1.69	29.5	2.8	10.1	
270	-0.777	-0.785	34.572	27.798	32.534	37.163	1.79	28.5	3.6	10.9	
280	-0.593	-0.602	34.580	27.796	32.526	37.150	-0.97	28.7	6.2	10.3	
290	-0.456	-0.466	34.587	27.796	32.522	37.141	-0.74	28.9	3.5	11.2	
300	-0.293	-0.304	34.597	27.796	32.517	37.132	-0.59	29.0	3.9	10.6	
325	-0.092	-0.104	34.614	27.800	32.515	37.123	0.48	28.8	7.0	10.7	
350	0.097	0.083	34.634	27.806	32.515	37.118	0.73	28.4	4.4	10.6	
375	0.239	0.224	34.648	27.810	32.515	37.113	0.50	28.2	3.6	11.0	
400	0.307	0.290	34.653	27.810	32.513	37.110	-0.25	28.2	3.4	10.7	
425	0.364	0.346	34.658	27.811	32.512	37.107	0.14	28.2	2.9	10.4	
450	0.399	0.380	34.662	27.812	32.512	37.107	0.32	28.2	3.6	9.9	
475	0.438	0.417	34.669	27.816	32.515	37.108	0.60	27.9	2.3	10.4	
500	0.469	0.447	34.673	27.817	32.515	37.107	0.36	27.9	2.0	10.4	
550	0.507	0.483	34.678	27.819	32.516	37.107	0.29	27.8	0.5	9.9	
600	0.543	0.516	34.682	27.820	32.516	37.106	0.20	27.8	-0.2	8.5	
650	0.559	0.529	34.687	27.824	32.519	37.109	0.43	27.6	-1.8	9.4	
700	0.562	0.530	34.688	27.824	32.520	37.110	0.22	27.6	-3.5	8.3	
750	0.536	0.501	34.690	27.828	32.524	37.114	0.49	27.3	-3.8	7.4	
800	0.504	0.467	34.689	27.829	32.526	37.118	0.36	27.1	-4.9	4.3	
850	0.476	0.436	34.690	27.832	32.530	37.122	0.46	26.9	-5.3	1.4	
900	0.439	0.397	34.688	27.832	32.532	37.125	0.33	26.8	-4.0	-1.6	
950	0.405	0.360	34.688	27.834	32.535	37.129	0.44	26.5	-1.1	-4.0	
1000	0.369	0.322	34.687	27.836	32.537	37.133	0.40	26.4	6.1	-2.3	

AARI 029

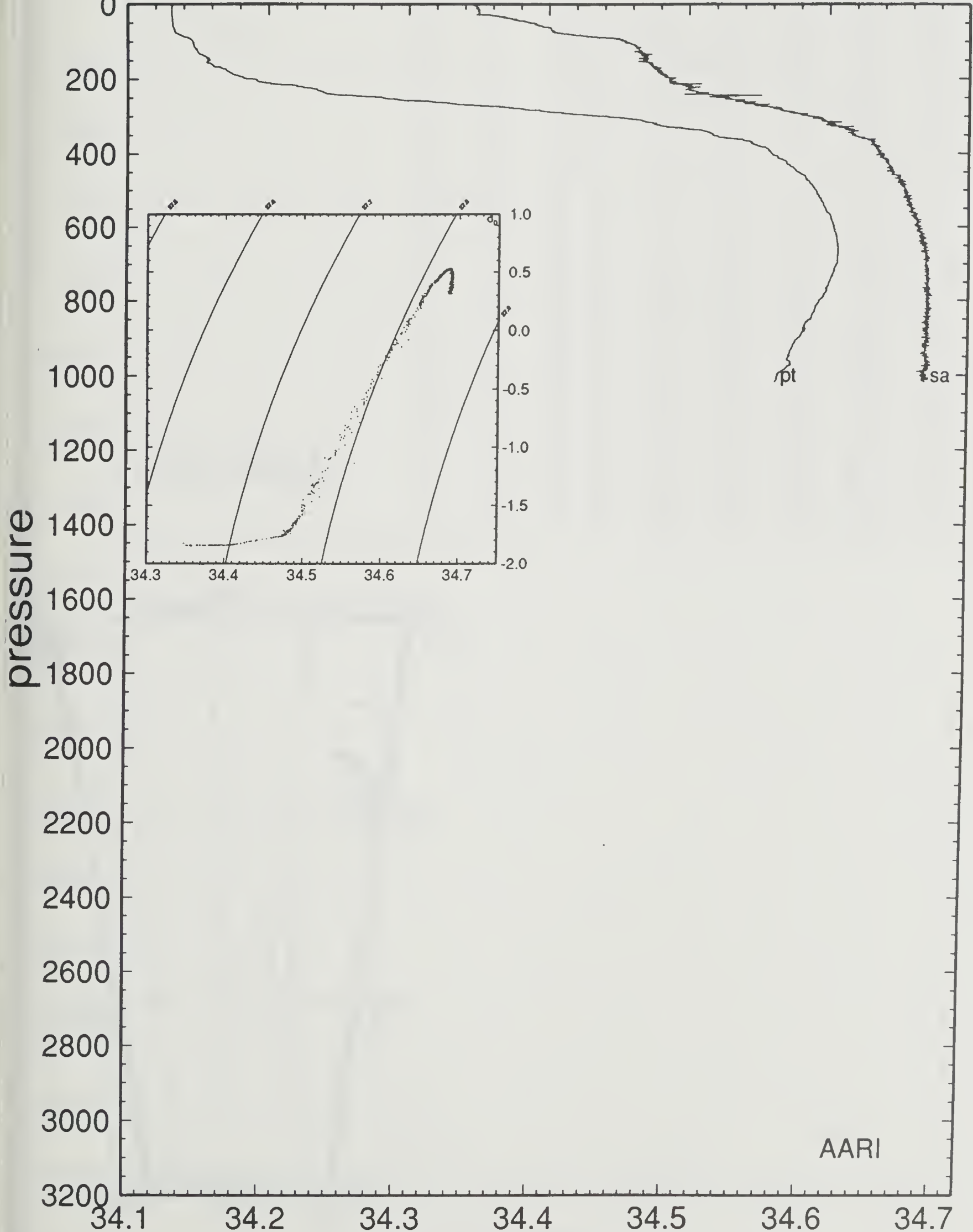




29 93/03/29 16:12 69 13.45 S 53 40.34 W

# potential temperature

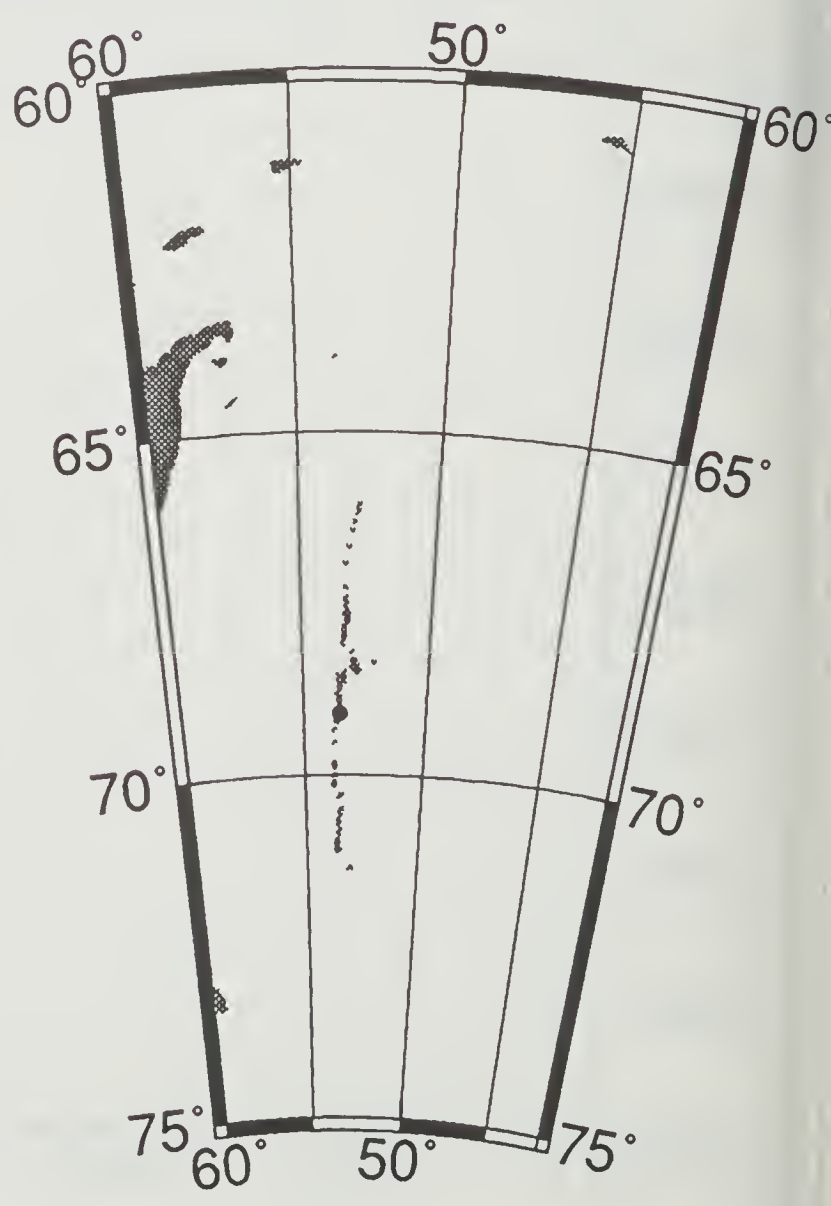
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AARI

ISW-1	-69.0887 S	-53.5003 W	93/03/30	90	15:45	RUSS_CTD	# 30				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.835	-1.835	34.352	27.655	32.425	37.088	0.00	42.7	20.1	2.1	
10	-1.834	-1.834	34.361	27.662	32.433	37.095	1.51	42.0	3.1	-4.0	
20	-1.834	-1.834	34.362	27.663	32.433	37.096	0.51	41.8	5.4	0.6	
30	-1.834	-1.835	34.362	27.663	32.433	37.096	0.04	41.8	4.9	0.4	
40	-1.833	-1.834	34.369	27.669	32.439	37.102	1.33	41.2	5.1	2.7	
50	-1.762	-1.763	34.453	27.735	32.502	37.162	4.55	34.8	6.1	-5.8	
60	-1.748	-1.749	34.463	27.743	32.510	37.169	1.55	34.0	1.6	-6.9	
70	-1.750	-1.751	34.467	27.746	32.513	37.172	1.02	33.7	-1.8	-4.0	
80	-1.749	-1.751	34.470	27.749	32.515	37.175	0.87	33.4	0.1	-1.6	
90	-1.729	-1.731	34.473	27.751	32.517	37.175	0.76	33.2	-0.3	0.6	
100	-1.716	-1.718	34.477	27.754	32.519	37.177	0.94	32.8	-0.0	3.4	
110	-1.696	-1.698	34.477	27.753	32.518	37.176	-0.44	32.8	1.4	1.7	
120	-1.617	-1.620	34.482	27.755	32.517	37.172	0.68	32.6	2.5	1.4	
130	-1.654	-1.657	34.482	27.756	32.519	37.176	0.62	32.5	1.1	5.0	
140	-1.558	-1.561	34.492	27.761	32.522	37.175	1.23	32.0	2.1	8.6	
150	-1.549	-1.552	34.491	27.760	32.520	37.173	-0.59	32.0	5.0	12.6	
160	-1.583	-1.587	34.493	27.763	32.524	37.178	0.94	31.7	9.5	11.4	
170	-1.599	-1.603	34.493	27.763	32.525	37.180	0.42	31.6	11.9	9.2	
180	-1.525	-1.529	34.499	27.766	32.525	37.177	0.83	31.3	12.8	7.5	
190	-1.357	-1.362	34.509	27.769	32.523	37.170	0.73	31.1	12.1	6.1	
200	-1.307	-1.312	34.516	27.773	32.525	37.170	1.07	30.7	13.0	3.9	
210	-1.215	-1.221	34.512	27.766	32.516	37.158	-1.48	31.4	12.7	4.1	
220	-1.019	-1.025	34.543	27.784	32.527	37.164	2.27	29.8	11.5	3.2	
230	-0.919	-0.926	34.537	27.775	32.516	37.149	-1.72	30.6	11.2	2.5	
240	-0.737	-0.744	34.546	27.775	32.510	37.138	-0.68	30.7	11.4	0.8	
250	-0.621	-0.629	34.553	27.776	32.507	37.131	-0.25	30.7	11.3	1.2	
260	-0.378	-0.387	34.564	27.774	32.497	37.115	-1.13	31.1	13.3	-0.7	
270	-0.213	-0.223	34.594	27.790	32.508	37.121	2.16	29.7	11.5	-3.0	
280	-0.103	-0.113	34.609	27.797	32.512	37.121	1.33	29.1	10.0	-4.8	
290	-0.101	-0.112	34.606	27.794	32.509	37.118	-0.89	29.4	7.1	-4.7	
300	-0.043	-0.054	34.615	27.798	32.512	37.119	1.09	29.0	4.4	-4.2	
325	0.178	0.165	34.635	27.803	32.509	37.110	0.53	28.8	4.0	-1.3	
350	0.235	0.221	34.641	27.804	32.509	37.108	0.38	28.7	3.2	1.2	
375	0.340	0.324	34.650	27.806	32.508	37.103	0.18	28.7	3.7	3.4	
400	0.378	0.361	34.652	27.805	32.506	37.101	-0.34	28.8	5.3	6.3	
425	0.466	0.448	34.668	27.813	32.511	37.103	0.92	28.2	7.8	5.9	
450	0.506	0.486	34.668	27.811	32.508	37.099	-0.59	28.4	7.4	4.4	
475	0.524	0.503	34.671	27.812	32.509	37.099	0.38	28.4	7.6	3.0	
500	0.544	0.522	34.671	27.811	32.507	37.097	-0.42	28.5	8.1	2.7	
550	0.515	0.491	34.672	27.814	32.511	37.101	0.44	28.3	9.7	1.5	
600	0.562	0.535	34.679	27.817	32.512	37.102	0.37	28.1	13.6	-2.2	
650	0.574	0.544	34.682	27.819	32.514	37.103	0.32	28.1	14.7	7.5	
700	0.563	0.531	34.684	27.821	32.516	37.106	0.41	27.9	7.8	1.3	
750	0.544	0.509	34.685	27.823	32.519	37.110	0.40	27.7	16.3	4.8	
800	0.514	0.477	34.684	27.824	32.521	37.113	0.34	27.6	10.6	4.8	
850	0.490	0.450	34.685	27.827	32.524	37.116	0.43	27.4	15.5	0.6	
900	0.469	0.427	34.684	27.827	32.526	37.118	0.27	27.3	14.2	-4.7	
950	0.432	0.387	34.685	27.830	32.530	37.124	0.51	27.0	10.4	3.6	
1000	0.396	0.349	34.684	27.832	32.533	37.128	0.40	26.8	11.8	6.9	

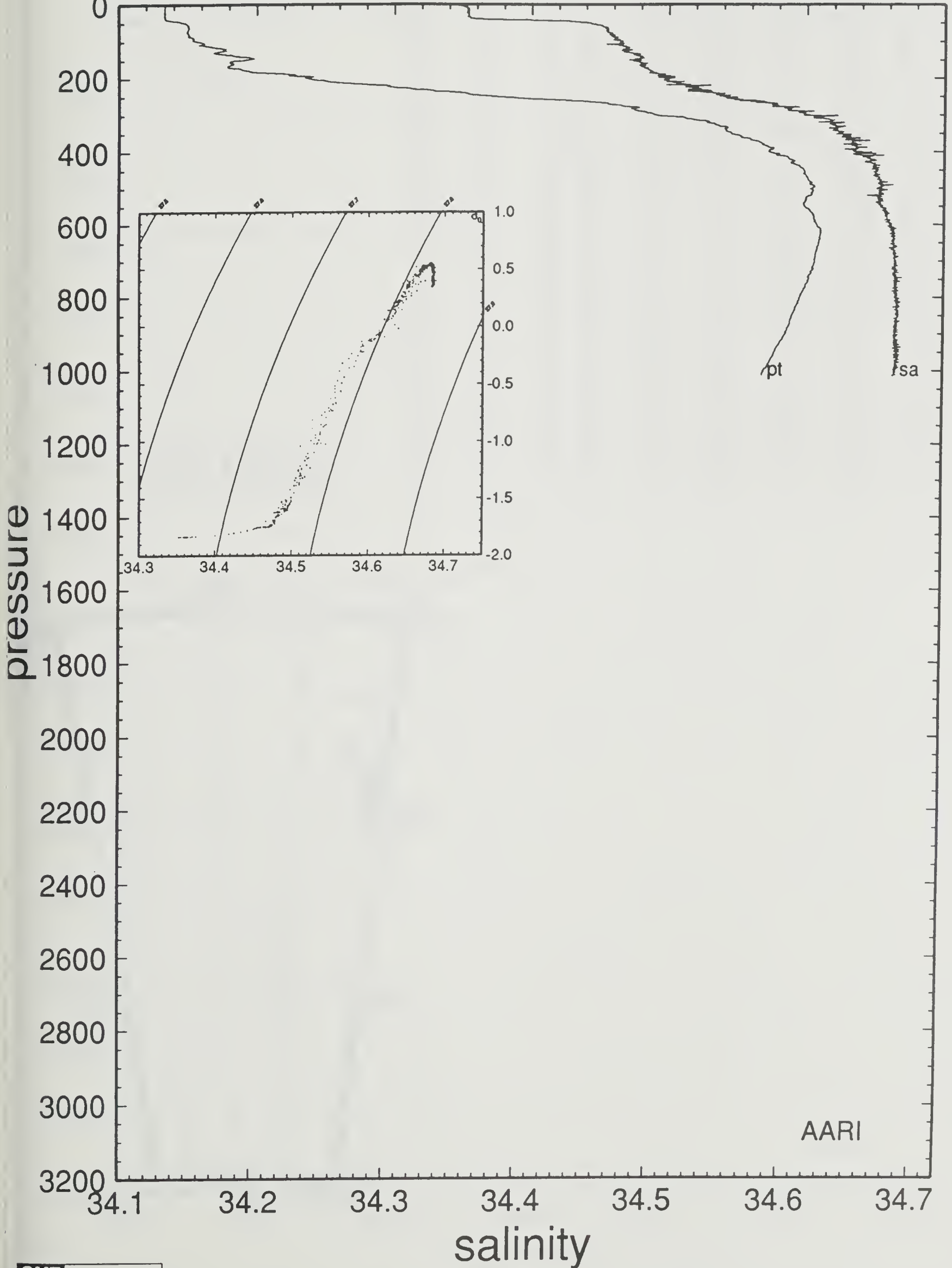
AARI 030



30 93/03/30 15:45 69 5.32 S 53 30.02 W

# potential temperature

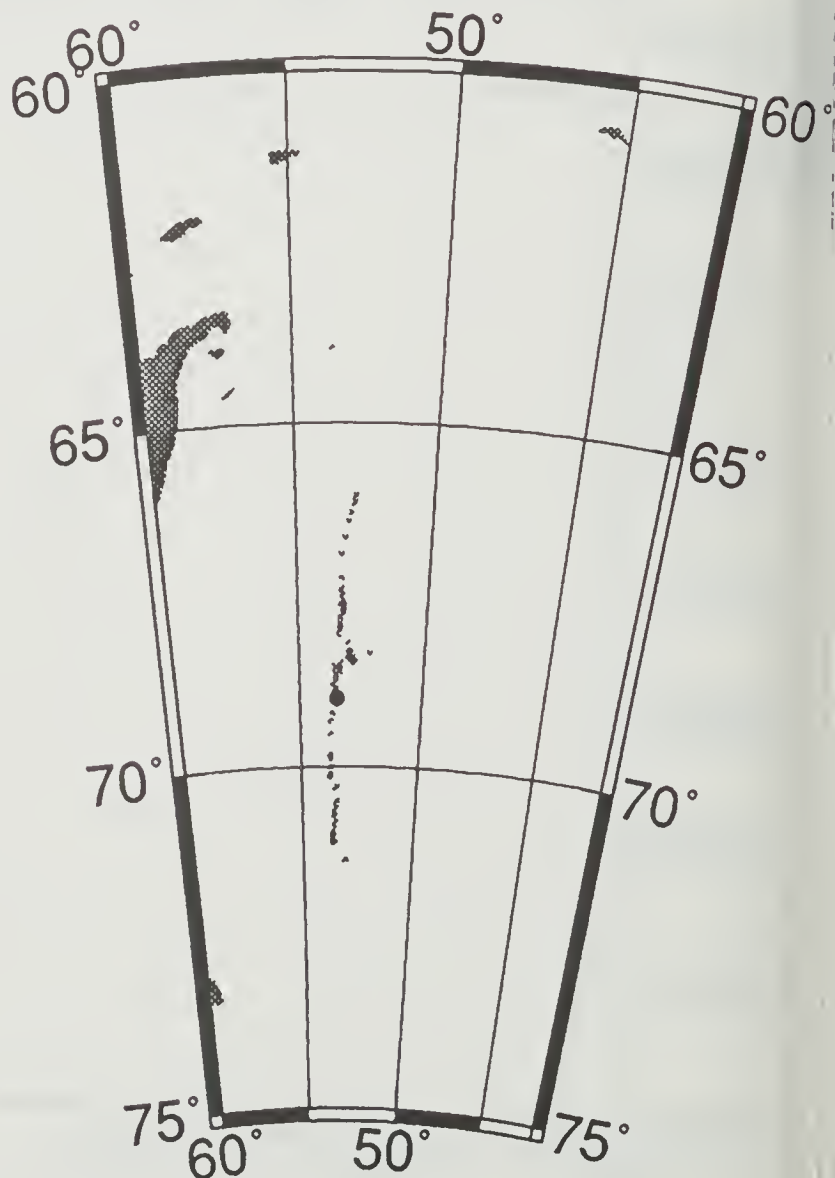
-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



AARI

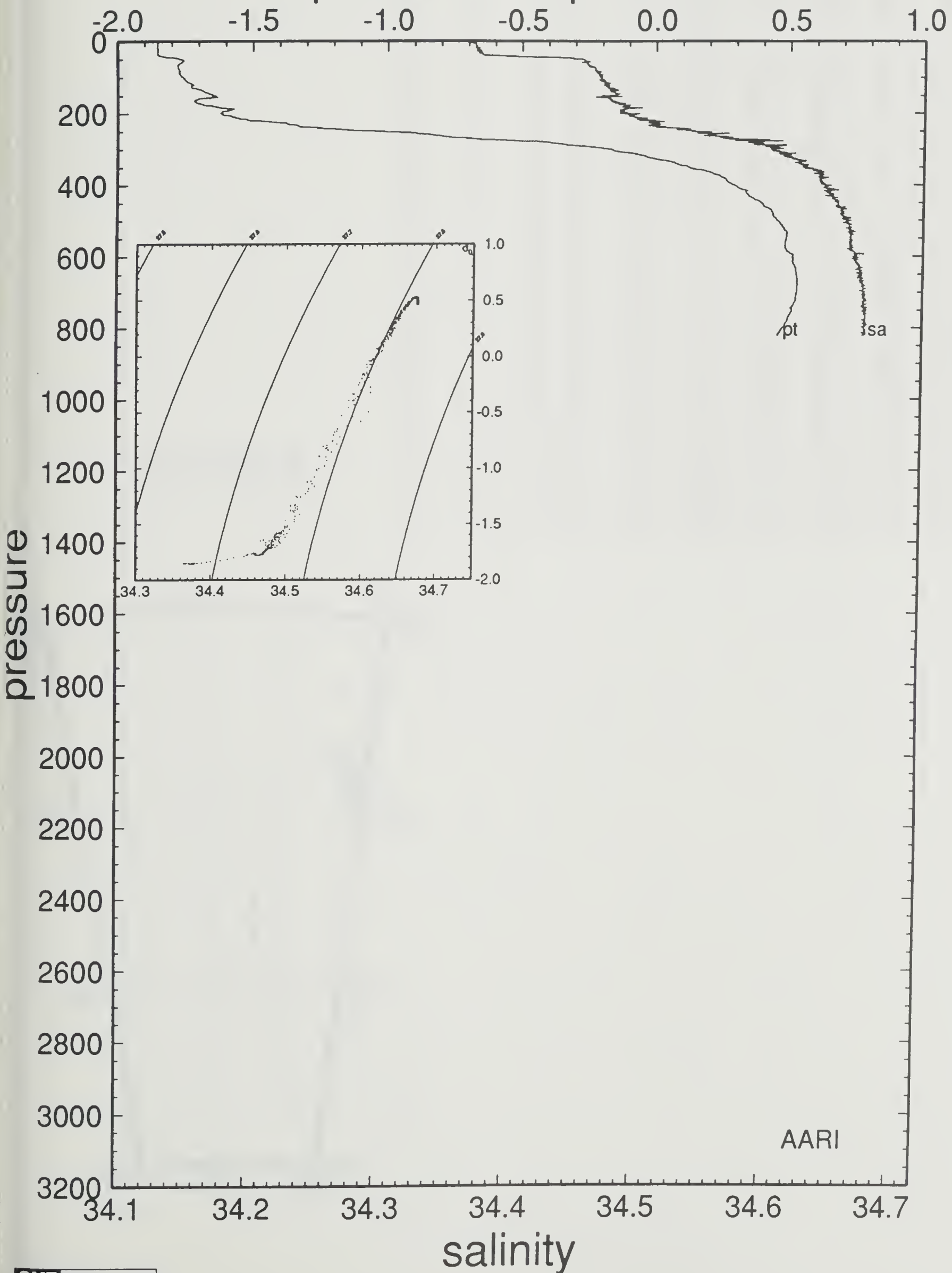
ISW-1	-69.002 S	-53.4732 W	93/03/31	91	16:28	RUSS_CTD	# 31				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.851	-1.851	34.364	27.665	32.436	37.099	0.00	41.7	4.7	-2.3	
10	-1.853	-1.853	34.374	27.673	32.444	37.108	1.60	40.9	2.4	-2.6	
20	-1.853	-1.853	34.375	27.674	32.445	37.108	0.51	40.8	1.8	-1.7	
30	-1.853	-1.854	34.378	27.677	32.447	37.111	0.87	40.5	1.0	0.6	
40	-1.848	-1.849	34.384	27.682	32.452	37.115	1.22	40.0	-0.0	0.6	
50	-1.770	-1.771	34.451	27.734	32.501	37.161	4.04	35.0	-0.4	0.1	
60	-1.768	-1.769	34.459	27.740	32.508	37.168	1.42	34.3	-0.6	1.4	
70	-1.777	-1.778	34.463	27.744	32.511	37.172	1.05	33.9	0.0	3.5	
80	-1.773	-1.775	34.466	27.746	32.514	37.174	0.85	33.6	0.8	2.0	
90	-1.770	-1.772	34.468	27.748	32.515	37.175	0.69	33.4	0.1	2.7	
100	-1.759	-1.761	34.470	27.749	32.516	37.176	0.64	33.2	-0.1	1.6	
110	-1.746	-1.748	34.472	27.750	32.517	37.176	0.62	33.1	0.0	1.9	
120	-1.722	-1.725	34.476	27.753	32.519	37.177	0.88	32.8	1.0	3.0	
130	-1.719	-1.722	34.477	27.754	32.519	37.178	0.48	32.6	0.3	2.3	
140	-1.678	-1.681	34.479	27.754	32.518	37.176	0.30	32.6	0.4	3.9	
150	-1.644	-1.647	34.481	27.755	32.518	37.174	0.39	32.5	-0.5	2.7	
160	-1.702	-1.705	34.477	27.753	32.518	37.176	-0.63	32.5	0.1	3.9	
170	-1.707	-1.711	34.481	27.757	32.522	37.180	1.03	32.2	0.8	4.0	
180	-1.643	-1.647	34.490	27.762	32.525	37.181	1.26	31.6	1.4	4.4	
190	-1.581	-1.585	34.488	27.759	32.520	37.174	-1.09	31.9	0.9	4.8	
200	-1.611	-1.616	34.490	27.761	32.523	37.178	0.92	31.6	1.6	3.3	
210	-1.568	-1.573	34.495	27.764	32.525	37.178	0.88	31.3	2.4	4.1	
220	-1.480	-1.485	34.510	27.773	32.531	37.182	1.66	30.5	4.2	4.1	
230	-1.361	-1.367	34.515	27.774	32.528	37.175	-0.45	30.5	4.8	2.4	
240	-1.247	-1.253	34.515	27.770	32.520	37.164	-1.22	30.9	2.4	3.9	
250	-1.011	-1.018	34.542	27.783	32.526	37.162	1.89	29.8	4.2	3.7	
260	-0.830	-0.838	34.557	27.788	32.525	37.156	1.05	29.4	1.8	4.1	
270	-0.695	-0.704	34.564	27.788	32.521	37.148	-0.58	29.5	2.5	3.6	
280	-0.426	-0.436	34.590	27.797	32.522	37.140	1.45	28.8	-0.6	4.3	
290	-0.315	-0.325	34.606	27.805	32.526	37.141	1.45	28.2	-0.7	4.2	
300	-0.182	-0.193	34.606	27.798	32.516	37.127	-1.55	28.9	-0.3	4.7	
325	-0.014	-0.026	34.615	27.797	32.509	37.116	-0.60	29.1	0.7	3.5	
350	0.129	0.115	34.628	27.800	32.508	37.110	0.43	29.0	0.5	4.3	
375	0.252	0.237	34.640	27.803	32.507	37.106	0.45	28.9	1.9	4.5	
400	0.299	0.282	34.641	27.801	32.504	37.101	-0.54	29.1	0.7	3.5	
425	0.354	0.336	34.646	27.802	32.503	37.099	0.19	29.1	0.4	4.4	
450	0.409	0.390	34.651	27.803	32.503	37.097	0.16	29.1	2.6	3.8	
475	0.453	0.432	34.656	27.804	32.503	37.096	0.34	29.0	0.9	4.6	
500	0.472	0.450	34.660	27.807	32.505	37.097	0.49	28.9	2.6	2.8	
550	0.512	0.488	34.664	27.808	32.504	37.096	0.16	28.9	3.4	3.2	
600	0.539	0.512	34.668	27.809	32.505	37.096	0.29	28.8	0.9	4.7	
650	0.557	0.527	34.672	27.812	32.507	37.097	0.35	28.7	-0.0	5.3	
700	0.561	0.529	34.675	27.814	32.509	37.099	0.38	28.5	-1.7	-0.2	
750	0.547	0.512	34.675	27.815	32.511	37.101	0.29	28.5	2.9	1.5	
800	0.516	0.479	34.675	27.817	32.514	37.105	0.41	28.3	-1.4	3.4	

AARI 031



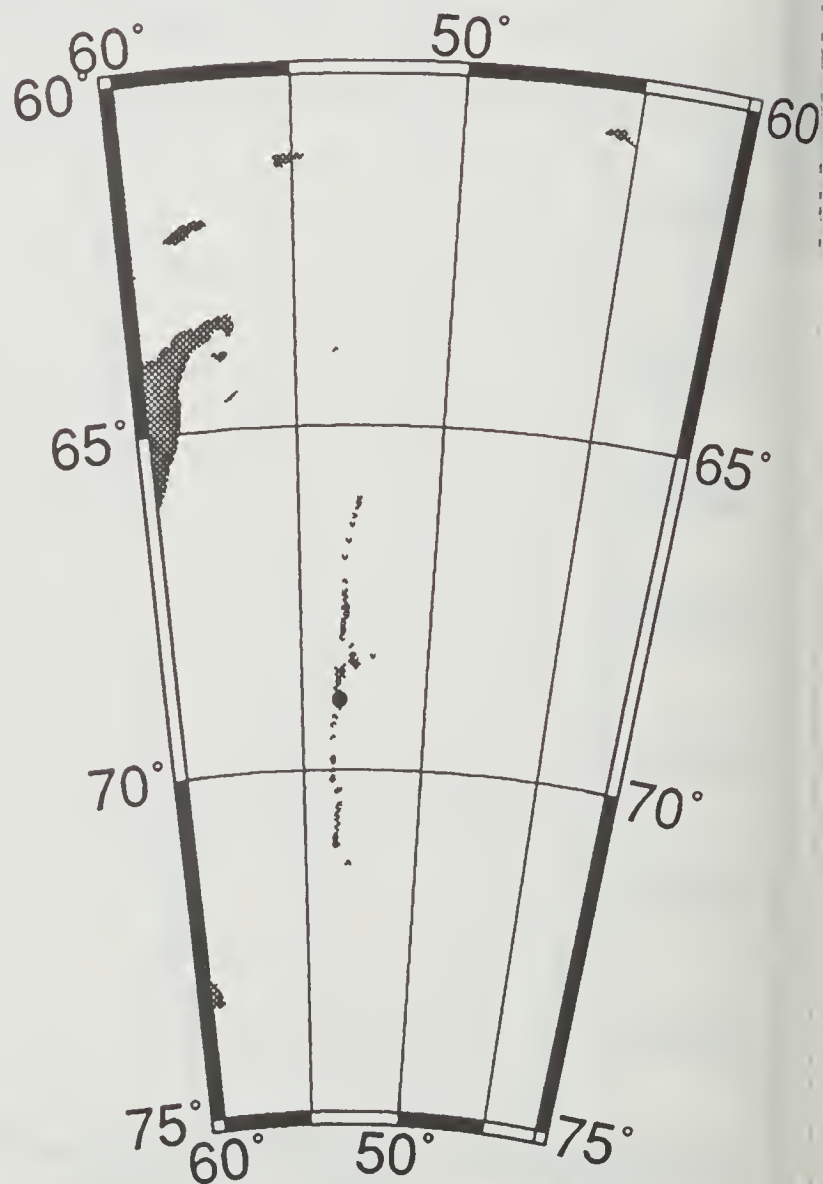
31 93/03/31 16:28 69 0.12 S 53 28.39 W

# potential temperature



ISW-1	-68.9708 S	-53.485 W	93/04/01	92	11:30	RUSS	CTD	# 32			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.791	-1.791	34.382	27.678	32.447	37.108	0.00	40.5	0.5	-3.7	
10	-1.836	-1.836	34.395	27.690	32.460	37.123	1.92	39.3	2.4	3.6	
20	-1.835	-1.835	34.394	27.689	32.459	37.122	-0.51	39.4	4.1	-1.3	
30	-1.835	-1.836	34.396	27.691	32.461	37.123	0.71	39.1	2.7	2.4	
40	-1.835	-1.836	34.396	27.691	32.461	37.123	0.04	39.1	1.6	2.3	
50	-1.832	-1.833	34.400	27.694	32.464	37.126	1.00	38.7	0.8	0.5	
60	-1.775	-1.776	34.453	27.736	32.503	37.163	3.60	34.7	-0.7	1.0	
70	-1.757	-1.758	34.469	27.748	32.515	37.175	1.98	33.5	-1.5	1.9	
80	-1.756	-1.758	34.472	27.751	32.517	37.177	0.87	33.2	-2.0	2.0	
90	-1.753	-1.755	34.473	27.751	32.518	37.177	0.48	33.1	-1.5	3.8	
100	-1.736	-1.738	34.475	27.753	32.519	37.178	0.59	32.9	-1.7	4.7	
110	-1.742	-1.744	34.478	27.755	32.521	37.180	0.91	32.6	-1.2	5.1	
120	-1.725	-1.728	34.481	27.757	32.523	37.181	0.77	32.4	-0.7	5.3	
130	-1.699	-1.702	34.485	27.760	32.525	37.182	0.87	32.1	-1.0	5.8	
140	-1.699	-1.702	34.481	27.756	32.521	37.179	-1.01	32.3	-1.2	5.3	
150	-1.668	-1.671	34.487	27.760	32.524	37.181	1.10	31.9	-0.6	6.2	
160	-1.604	-1.608	34.470	27.745	32.507	37.162	-2.24	33.4	-0.8	6.0	
170	-1.692	-1.696	34.489	27.763	32.527	37.185	2.40	31.6	-1.1	4.4	
180	-1.658	-1.662	34.492	27.764	32.528	37.184	0.63	31.4	-0.4	5.9	
190	-1.625	-1.629	34.495	27.766	32.528	37.184	0.63	31.2	0.5	5.9	
200	-1.620	-1.625	34.494	27.765	32.527	37.182	-0.55	31.3	-0.3	6.0	
210	-1.529	-1.534	34.506	27.772	32.531	37.183	1.41	30.6	0.9	5.4	
220	-1.470	-1.475	34.516	27.778	32.536	37.186	1.35	30.0	0.8	5.2	
230	-1.196	-1.202	34.522	27.774	32.523	37.165	-1.41	30.6	0.8	5.1	
240	-1.215	-1.221	34.529	27.780	32.529	37.172	1.43	29.9	0.7	7.1	
250	-1.105	-1.112	34.536	27.782	32.528	37.167	0.51	29.8	1.1	6.2	
260	-0.966	-0.974	34.552	27.789	32.531	37.166	1.43	29.2	0.7	6.4	
270	-0.855	-0.863	34.555	27.787	32.526	37.157	-0.95	29.4	1.1	6.0	
280	-0.607	-0.616	34.579	27.796	32.527	37.151	1.46	28.7	-0.7	5.1	
290	-0.411	-0.421	34.594	27.799	32.524	37.142	0.68	28.6	-2.5	2.9	
300	-0.259	-0.270	34.607	27.803	32.522	37.136	0.76	28.4	-3.2	2.5	
325	-0.029	-0.041	34.619	27.801	32.514	37.120	-0.71	28.8	-2.3	1.8	
350	0.097	0.083	34.632	27.805	32.514	37.117	0.57	28.5	-2.0	0.3	
375	0.252	0.237	34.646	27.808	32.512	37.110	0.38	28.4	-1.1	0.1	
400	0.314	0.297	34.652	27.809	32.511	37.108	0.29	28.4	0.0	-0.4	
425	0.367	0.349	34.657	27.810	32.511	37.106	0.23	28.3	0.6	-1.8	
450	0.407	0.388	34.661	27.811	32.511	37.105	0.24	28.3	2.3	0.3	
475	0.442	0.421	34.667	27.814	32.513	37.106	0.55	28.1	3.3	0.5	
500	0.478	0.456	34.669	27.813	32.511	37.103	-0.34	28.2	3.2	3.1	
550	0.531	0.506	34.676	27.816	32.512	37.103	0.34	28.1	3.4	5.2	
600	0.565	0.538	34.681	27.818	32.513	37.103	0.32	28.0	0.4	4.9	
650	0.573	0.543	34.686	27.822	32.517	37.106	0.47	27.8	-0.9	6.6	
700	0.574	0.542	34.688	27.824	32.519	37.108	0.33	27.7	-1.8	5.3	
750	0.555	0.520	34.688	27.825	32.521	37.111	0.33	27.6	-4.1	0.9	
800	0.533	0.496	34.686	27.825	32.521	37.112	0.16	27.6	0.1	-1.9	
850	0.508	0.468	34.688	27.828	32.525	37.117	0.49	27.3	-0.2	5.6	
900	0.491	0.448	34.691	27.832	32.529	37.121	0.50	27.0	1.8	1.9	
950	0.463	0.418	34.690	27.833	32.531	37.124	0.34	26.9	-4.2	4.7	
1000	0.444	0.396	34.690	27.834	32.533	37.127	0.34	26.7	-0.5	-2.4	

AARI 032



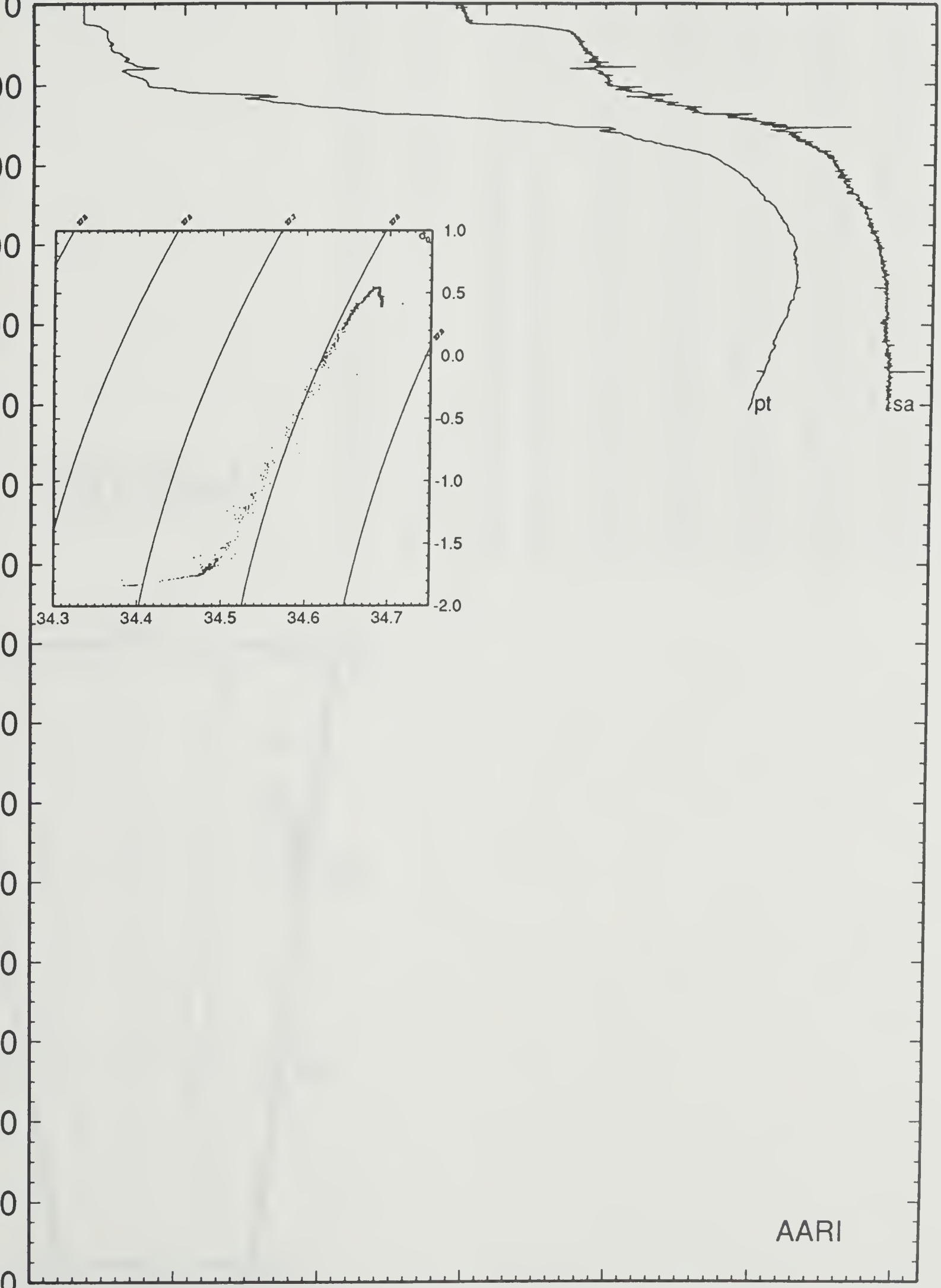
32

93/04/01 11:30

68 58.25 S 53 29.10 W

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



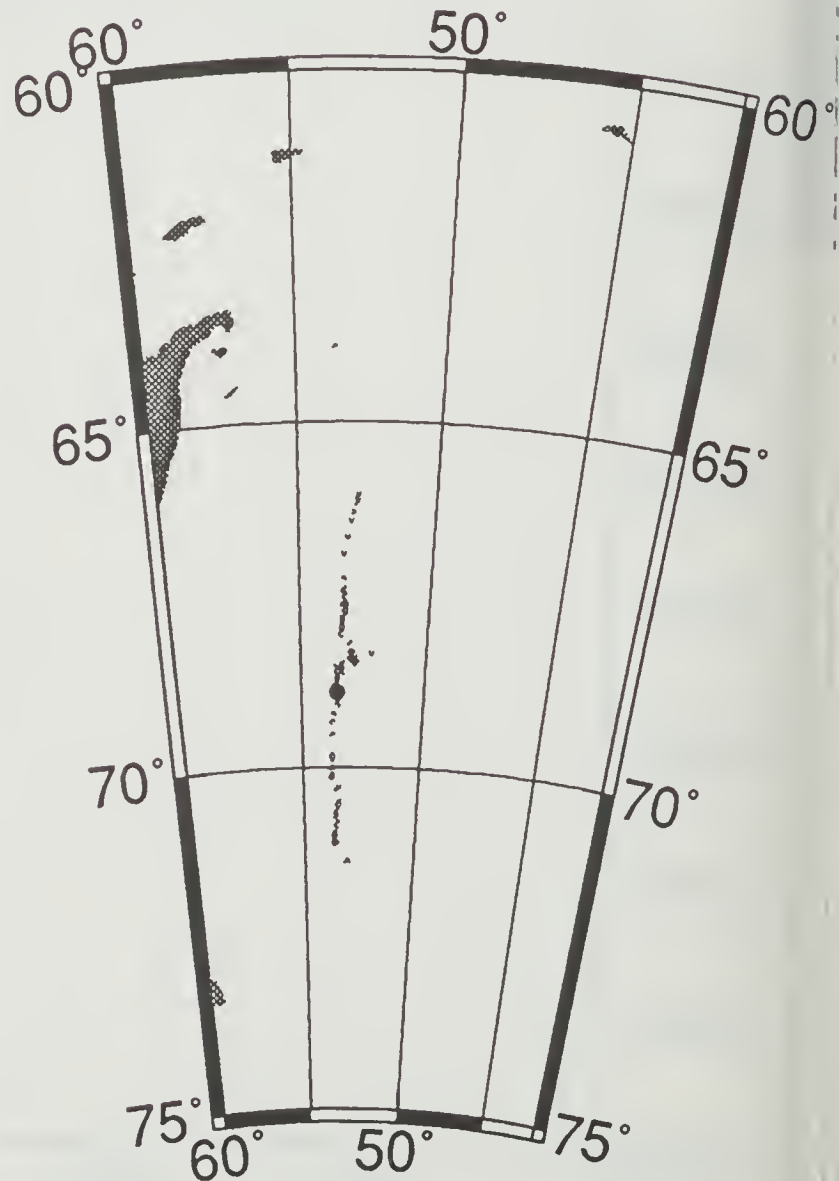
pressure

AARI

salinity

ISW-1	-68.9073 S	-53.5237 W	93/04/02	93	17:44	RUSS CTD	# 33				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.837	-1.837	34.389	27.685	32.455	37.118	0.00	39.9	5.1	-1.0	
10	-1.841	-1.841	34.397	27.692	32.462	37.125	1.44	39.2	5.8	2.8	
20	-1.840	-1.840	34.398	27.693	32.463	37.125	0.50	39.0	5.8	2.8	
30	-1.839	-1.840	34.400	27.694	32.464	37.127	0.71	38.8	5.5	2.5	
40	-1.839	-1.840	34.401	27.695	32.465	37.128	0.51	38.7	4.9	1.3	
50	-1.837	-1.838	34.403	27.697	32.467	37.129	0.70	38.5	3.2	1.3	
60	-1.821	-1.822	34.411	27.703	32.472	37.134	1.38	37.8	3.8	-0.4	
70	-1.759	-1.760	34.442	27.726	32.493	37.153	2.71	35.6	1.7	-0.7	
80	-1.750	-1.752	34.451	27.733	32.500	37.160	1.49	34.8	1.1	-2.0	
90	-1.751	-1.753	34.455	27.737	32.503	37.163	1.01	34.5	-0.5	-1.0	
100	-1.743	-1.745	34.455	27.736	32.503	37.162	-0.27	34.4	-1.2	-0.8	
110	-1.740	-1.742	34.459	27.740	32.506	37.165	0.99	34.1	-1.0	0.4	
120	-1.734	-1.737	34.463	27.743	32.509	37.168	0.98	33.7	-1.5	-0.3	
130	-1.725	-1.728	34.463	27.742	32.508	37.167	-0.30	33.7	-1.4	0.5	
140	-1.700	-1.703	34.468	27.746	32.511	37.169	1.01	33.3	-1.3	0.7	
150	-1.704	-1.707	34.466	27.744	32.510	37.168	-0.68	33.4	-0.4	1.0	
160	-1.707	-1.710	34.467	27.745	32.511	37.169	0.54	33.3	0.6	0.5	
170	-1.708	-1.712	34.470	27.748	32.513	37.171	0.88	33.0	0.3	3.2	
180	-1.682	-1.686	34.473	27.749	32.514	37.171	0.70	32.8	0.0	3.5	
190	-1.642	-1.646	34.476	27.751	32.514	37.170	0.57	32.6	-0.8	3.7	
200	-1.614	-1.619	34.476	27.750	32.512	37.167	-0.56	32.7	-0.5	4.8	
210	-1.544	-1.549	34.486	27.756	32.516	37.169	1.32	32.1	-0.1	5.3	
220	-1.485	-1.490	34.497	27.763	32.521	37.172	1.45	31.4	0.8	4.9	
230	-1.419	-1.425	34.495	27.759	32.515	37.164	-1.15	31.8	-0.1	4.6	
240	-1.347	-1.353	34.503	27.763	32.517	37.164	1.06	31.4	0.7	5.6	
250	-1.214	-1.221	34.531	27.782	32.531	37.174	2.31	29.7	0.3	4.7	
260	-1.040	-1.047	34.528	27.773	32.517	37.154	-1.79	30.7	0.8	3.4	
270	-0.864	-0.872	34.537	27.773	32.512	37.144	-0.57	30.7	0.5	4.3	
280	-0.747	-0.756	34.549	27.778	32.513	37.141	1.10	30.3	0.2	3.0	
290	-0.649	-0.658	34.559	27.782	32.514	37.139	0.97	30.0	0.4	2.8	
300	-0.546	-0.556	34.561	27.779	32.508	37.130	-1.10	30.4	1.5	-1.1	
325	-0.314	-0.325	34.583	27.786	32.508	37.123	0.77	29.9	2.0	0.0	
350	-0.122	-0.135	34.603	27.793	32.509	37.118	0.77	29.4	5.8	-0.9	
375	0.062	0.047	34.619	27.796	32.506	37.111	0.41	29.3	10.6	-2.7	
400	0.203	0.187	34.627	27.795	32.501	37.101	-0.59	29.5	10.0	1.9	
425	0.315	0.297	34.640	27.799	32.502	37.099	0.60	29.3	7.8	4.8	
450	0.395	0.376	34.648	27.801	32.501	37.096	0.33	29.2	3.3	6.0	
475	0.418	0.398	34.649	27.801	32.500	37.094	-0.31	29.3	3.0	5.8	
500	0.447	0.425	34.653	27.802	32.501	37.094	0.39	29.2	2.9	5.2	
550	0.583	0.558	34.669	27.807	32.502	37.091	0.42	29.0	-0.6	3.2	
600	0.532	0.505	34.666	27.808	32.504	37.095	0.33	28.9	-0.4	-0.3	
650	0.561	0.531	34.670	27.810	32.505	37.095	0.27	28.9	3.7	-1.4	
700	0.574	0.542	34.674	27.812	32.508	37.097	0.38	28.7	2.9	0.6	
750	0.575	0.540	34.677	27.815	32.510	37.100	0.40	28.5	3.5	1.7	
800	0.563	0.525	34.678	27.817	32.512	37.102	0.35	28.4	8.4	2.8	
850	0.543	0.503	34.677	27.817	32.513	37.104	0.26	28.4	6.0	4.3	
900	0.518	0.475	34.678	27.820	32.517	37.108	0.44	28.2	4.0	3.7	
950	0.485	0.440	34.677	27.821	32.519	37.111	0.38	28.0	4.5	6.1	
1000	0.460	0.412	34.679	27.824	32.523	37.116	0.50	27.7	-1.2	3.7	

AARI 033





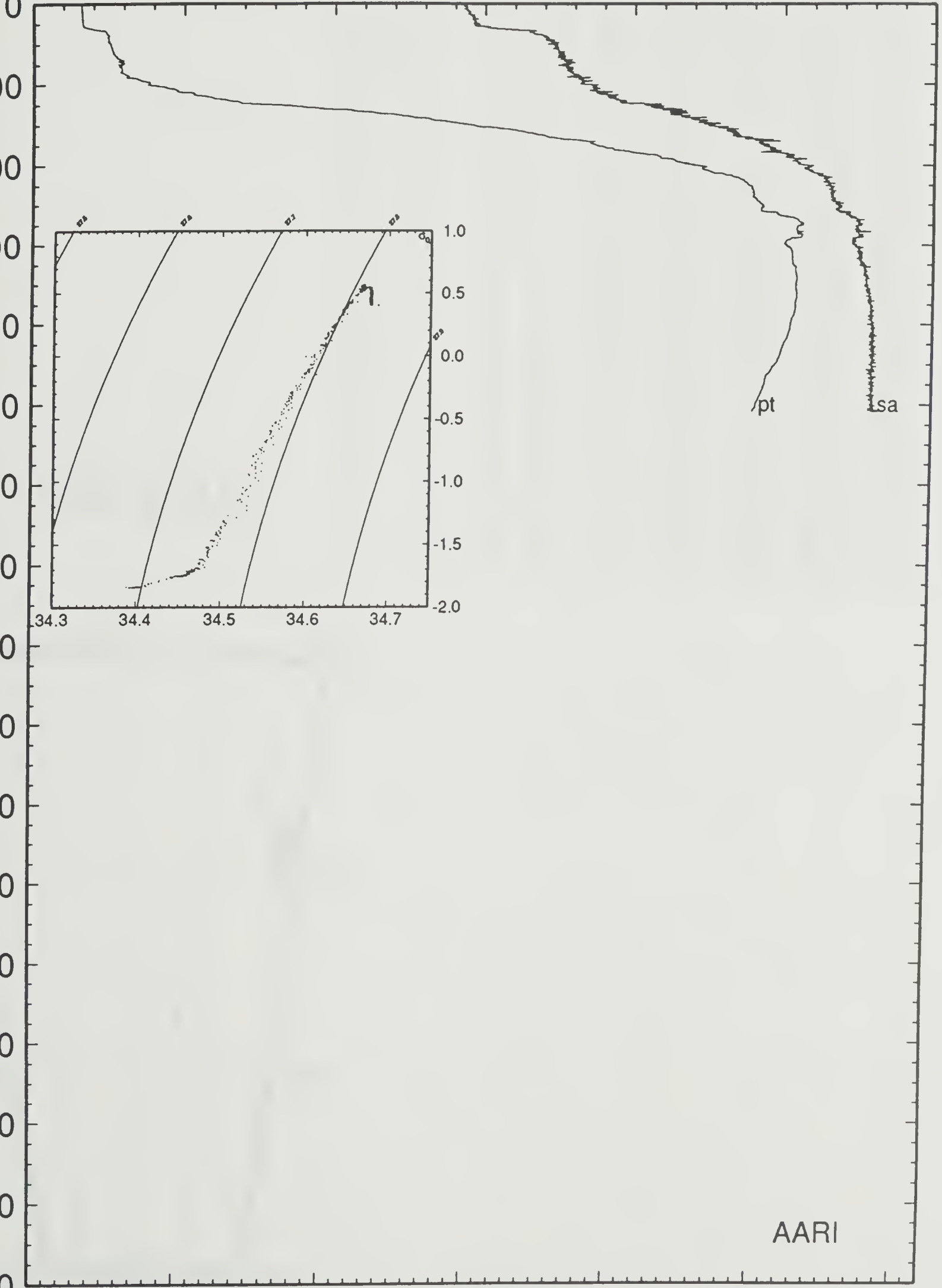
33

93/04/02 17:44

68 54.44 S 53 31.42 W

# potential temperature

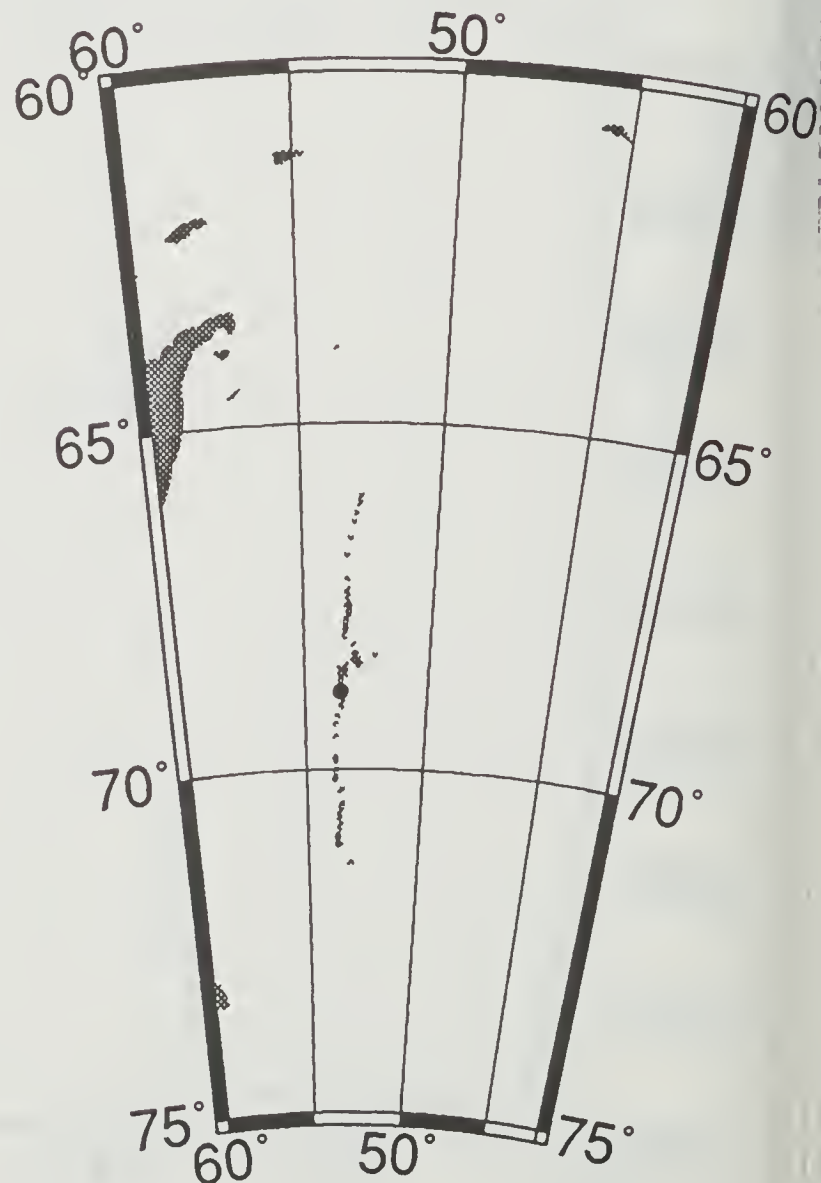
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AARI

ISW-1	-68.8675 S	-53.5377 W	93/04/03	94	17:04	RUSS_CTD	# 34				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.764	-1.764	34.389	27.683	32.451	37.111	0.00	40.0	-5.7	-0.2	
10	-1.841	-1.841	34.384	27.681	32.452	37.114	-0.79	40.2	-39.1	27.3	
20	-1.841	-1.841	34.386	27.683	32.453	37.116	0.71	40.0	-60.1	5.0	
30	-1.846	-1.847	34.394	27.690	32.460	37.123	1.44	39.3	-49.5	-42.3	
40	-1.847	-1.848	34.396	27.691	32.462	37.125	0.72	39.0	-33.0	-63.9	
50	-1.847	-1.848	34.393	27.689	32.459	37.122	-0.87	39.2	-37.6	-65.6	
60	-1.848	-1.849	34.397	27.692	32.462	37.125	1.01	38.8	13.9	18.7	
70	-1.819	-1.820	34.424	27.713	32.483	37.144	2.57	36.8	-4.7	-87.6	
80	-1.784	-1.786	34.438	27.724	32.492	37.152	1.80	35.7	-71.6	43.8	
90	-1.781	-1.783	34.453	27.736	32.504	37.164	1.95	34.5	-63.6	49.3	
100	-1.784	-1.786	34.460	27.742	32.509	37.170	1.35	33.9	-75.8	19.6	
110	-1.783	-1.785	34.458	27.740	32.508	37.168	-0.72	34.0	-66.3	-52.3	
120	-1.780	-1.782	34.464	27.745	32.512	37.173	1.22	33.5	-43.9	-80.7	
130	-1.774	-1.777	34.462	27.743	32.511	37.171	-0.75	33.6	-46.3	-78.8	
140	-1.764	-1.767	34.463	27.744	32.511	37.171	0.40	33.5	-56.4	-88.4	
150	-1.758	-1.761	34.468	27.747	32.514	37.174	1.10	33.1	-25.3	-70.6	
160	-1.738	-1.741	34.473	27.751	32.517	37.176	1.03	32.7	-70.0	49.4	
170	-1.724	-1.728	34.476	27.753	32.519	37.177	0.79	32.5	-61.8	47.5	
180	-1.705	-1.709	34.478	27.754	32.519	37.177	0.56	32.3	-79.8	-8.5	
190	-1.694	-1.698	34.485	27.760	32.524	37.182	1.29	31.8	-49.9	-73.3	
200	-1.669	-1.673	34.479	27.754	32.518	37.175	-1.34	32.3	-40.2	-72.6	
210	-1.668	-1.673	34.486	27.760	32.524	37.180	1.33	31.7	-47.5	-75.7	
220	-1.656	-1.661	34.491	27.763	32.527	37.183	1.07	31.3	32.3	-75.5	
230	-1.592	-1.597	34.496	27.765	32.527	37.181	0.73	31.1	-84.0	51.2	
240	-1.495	-1.501	34.496	27.763	32.521	37.172	-1.07	31.4	-70.2	54.2	
250	-1.514	-1.520	34.508	27.773	32.532	37.184	1.81	30.3	-82.6	34.8	
260	-1.380	-1.387	34.519	27.777	32.532	37.180	1.05	30.0	-78.3	-52.0	
270	-1.237	-1.244	34.536	27.786	32.537	37.180	1.55	29.2	-44.5	-78.5	
280	-1.063	-1.071	34.538	27.782	32.526	37.164	-1.39	29.7	-54.8	-84.8	
290	-0.854	-0.863	34.551	27.784	32.522	37.154	0.39	29.7	-63.3	-88.9	
300	-0.786	-0.795	34.557	27.786	32.522	37.152	0.67	29.5	-0.9	-57.9	
325	-0.278	-0.290	34.601	27.799	32.519	37.133	0.99	28.7	-83.7	17.6	
350	-0.049	-0.062	34.625	27.807	32.520	37.128	0.83	28.2	-42.1	-80.0	
375	0.160	0.145	34.643	27.810	32.517	37.118	0.38	28.1	-79.8	46.5	
400	0.242	0.226	34.652	27.813	32.518	37.116	0.48	27.9	-78.6	-20.6	
425	0.325	0.307	34.659	27.814	32.516	37.113	0.03	27.9	-43.0	-78.6	
450	0.390	0.371	34.660	27.811	32.511	37.106	-0.68	28.3	-66.7	46.7	
475	0.421	0.401	34.666	27.814	32.514	37.107	0.58	28.0	-51.4	-64.5	
500	0.486	0.464	34.673	27.816	32.514	37.105	0.35	28.0	-46.3	-89.8	
550	0.503	0.479	34.675	27.817	32.514	37.105	0.18	28.0	-44.0	-78.9	
600	0.536	0.509	34.677	27.817	32.513	37.103	-0.21	28.1	-79.3	-29.3	
650	0.542	0.512	34.680	27.819	32.515	37.105	0.36	28.0	-61.8	48.5	
700	0.568	0.536	34.681	27.818	32.514	37.103	-0.26	28.1	-72.9	50.0	
750	0.569	0.534	34.686	27.823	32.518	37.107	0.51	27.8	-23.0	-57.4	
800	0.561	0.523	34.689	27.826	32.521	37.111	0.45	27.6	-49.0	-81.6	
850	0.535	0.495	34.685	27.824	32.520	37.111	-0.22	27.7	-47.1	-78.9	
900	0.506	0.463	34.685	27.826	32.523	37.115	0.41	27.5	-45.1	-77.7	
950	0.484	0.439	34.687	27.829	32.527	37.119	0.48	27.3	-62.9	-63.5	
1000	0.440	0.392	34.684	27.829	32.529	37.122	0.32	27.2	-83.3	-19.4	

AARI 034



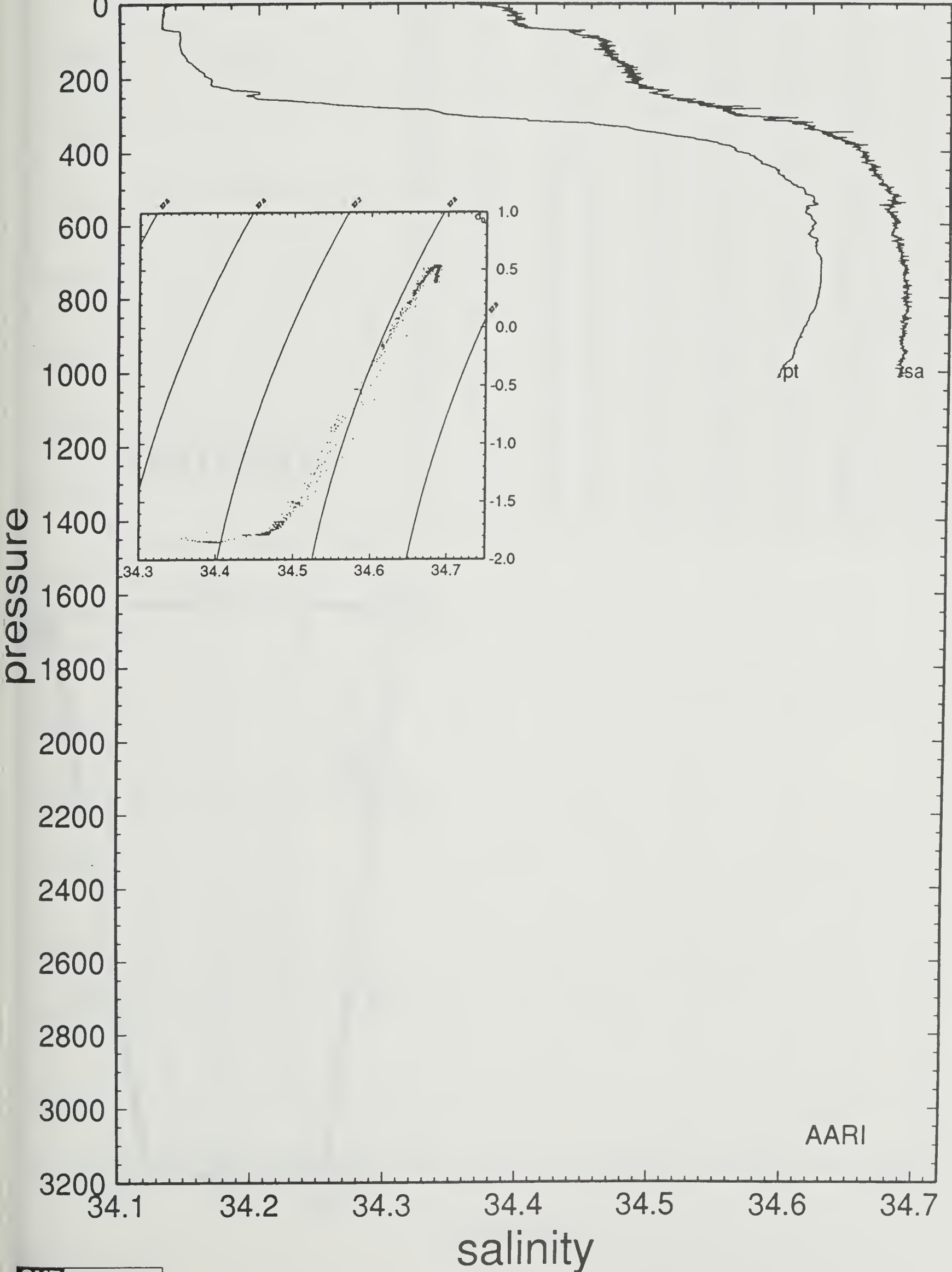
34

93/04/03 17:04

68 52.05 S 53 32.26 W

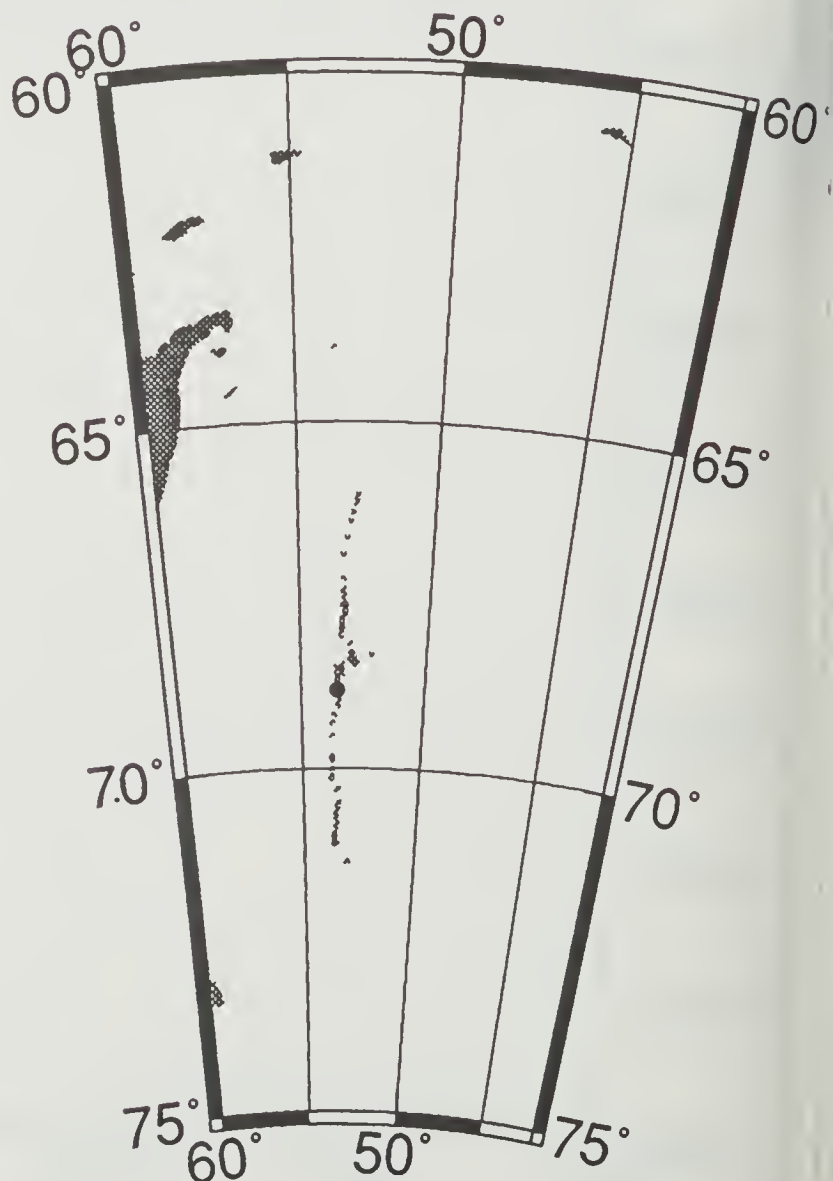
# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



ISW-1	-68.8542 S	-53.5522 W	93/04/04	95	13:22	RUSS CTD	# 35				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.690	-1.690	34.252	27.570	32.337	36.996	0.00	50.8	3.6	-3.5	
10	-1.838	-1.838	34.408	27.701	32.471	37.133	6.40	38.3	4.0	-5.5	
20	-1.841	-1.841	34.415	27.707	32.477	37.139	1.34	37.7	2.8	-6.2	
30	-1.842	-1.843	34.416	27.707	32.477	37.140	0.51	37.6	4.3	-7.5	
40	-1.842	-1.843	34.417	27.708	32.478	37.141	0.51	37.4	5.2	-8.0	
50	-1.842	-1.843	34.418	27.709	32.479	37.142	0.51	37.3	6.1	-7.3	
60	-1.840	-1.841	34.419	27.710	32.480	37.142	0.49	37.2	4.8	-5.0	
70	-1.784	-1.785	34.450	27.733	32.501	37.162	2.72	34.9	1.9	-2.9	
80	-1.762	-1.764	34.457	27.739	32.506	37.166	1.26	34.3	3.6	-7.3	
90	-1.767	-1.769	34.459	27.740	32.508	37.168	0.75	34.1	3.7	-7.2	
100	-1.758	-1.760	34.463	27.743	32.510	37.170	0.97	33.8	4.0	-7.0	
110	-1.763	-1.765	34.464	27.744	32.511	37.171	0.55	33.6	5.6	-5.7	
120	-1.765	-1.767	34.468	27.748	32.515	37.175	1.02	33.3	3.3	-5.2	
130	-1.753	-1.756	34.471	27.750	32.517	37.176	0.80	33.0	1.8	-6.0	
140	-1.752	-1.755	34.473	27.751	32.518	37.177	0.71	32.8	0.0	-7.6	
150	-1.749	-1.752	34.475	27.753	32.520	37.179	0.69	32.6	1.5	-9.3	
160	-1.726	-1.729	34.481	27.757	32.523	37.182	1.14	32.2	2.4	-6.8	
170	-1.699	-1.703	34.482	27.757	32.522	37.180	-0.17	32.1	1.3	-5.7	
180	-1.684	-1.688	34.483	27.758	32.522	37.179	0.31	32.0	1.5	-8.0	
190	-1.631	-1.635	34.488	27.760	32.523	37.179	0.83	31.8	4.0	-8.5	
200	-1.488	-1.493	34.497	27.763	32.521	37.172	0.80	31.5	6.3	-8.0	
210	-1.501	-1.506	34.499	27.765	32.524	37.175	0.82	31.3	5.6	-3.3	
220	-1.595	-1.600	34.503	27.771	32.533	37.187	1.46	30.6	2.8	-2.4	
230	-1.511	-1.517	34.504	27.769	32.528	37.180	-0.86	30.8	0.3	-5.5	
240	-1.420	-1.426	34.513	27.774	32.530	37.179	1.08	30.4	0.1	-7.7	
250	-1.312	-1.318	34.525	27.780	32.533	37.178	1.29	29.8	0.3	-8.5	
260	-1.140	-1.147	34.533	27.780	32.528	37.168	-0.55	29.9	-0.1	-8.1	
270	-0.994	-1.002	34.544	27.784	32.527	37.162	0.83	29.6	3.6	-11.8	
280	-0.817	-0.826	34.557	27.787	32.524	37.155	0.78	29.4	1.6	-9.3	
290	-0.666	-0.675	34.571	27.792	32.525	37.151	1.06	29.0	4.7	-8.4	
300	-0.515	-0.525	34.587	27.799	32.526	37.148	1.23	28.6	3.0	-5.9	
325	-0.271	-0.283	34.606	27.803	32.523	37.137	0.44	28.4	2.6	-9.2	
350	0.013	-0.000	34.624	27.803	32.514	37.120	-0.59	28.6	1.9	-4.3	
375	0.267	0.252	34.645	27.806	32.510	37.108	0.22	28.6	0.4	-8.0	
400	0.302	0.285	34.644	27.803	32.506	37.103	-0.62	28.9	-1.2	-7.5	
425	0.384	0.366	34.655	27.807	32.508	37.103	0.64	28.6	3.0	-6.8	
450	0.430	0.411	34.663	27.811	32.510	37.104	0.64	28.3	-0.8	-9.7	
475	0.425	0.405	34.656	27.806	32.505	37.099	-0.80	28.8	0.2	-6.4	
500	0.459	0.437	34.665	27.811	32.510	37.102	0.78	28.4	3.2	-8.3	
550	0.566	0.541	34.674	27.812	32.508	37.097	-0.19	28.5	2.4	-5.0	
600	0.556	0.529	34.674	27.813	32.509	37.099	0.24	28.5	-0.6	-8.4	
650	0.565	0.535	34.677	27.815	32.511	37.100	0.34	28.4	0.5	-8.9	
700	0.573	0.541	34.680	27.817	32.512	37.102	0.35	28.3	3.2	-1.7	
750	0.557	0.522	34.681	27.819	32.515	37.105	0.38	28.1	3.0	-12.0	
800	0.539	0.501	34.680	27.820	32.516	37.107	0.24	28.1	-1.1	-7.5	
850	0.518	0.478	34.683	27.823	32.520	37.112	0.52	27.7	-2.6	-7.7	
900	0.487	0.444	34.683	27.825	32.523	37.116	0.42	27.5	3.2	-3.0	
950	0.460	0.415	34.682	27.826	32.525	37.118	0.33	27.4	6.2	-10.5	
1000	0.429	0.381	34.681	27.828	32.527	37.121	0.36	27.3	-0.1	-11.0	

AARI 035

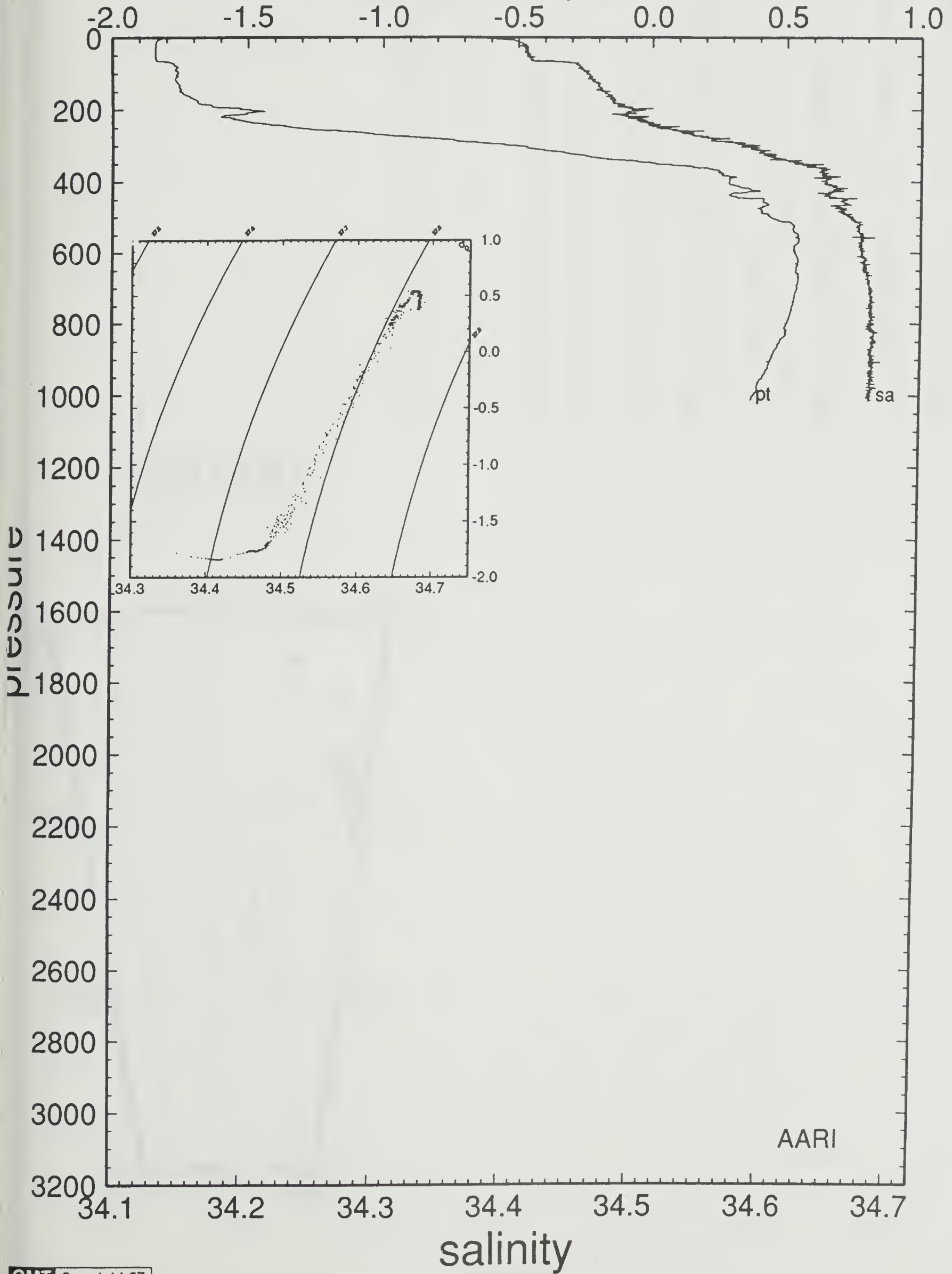


35

93/04/04 13:22

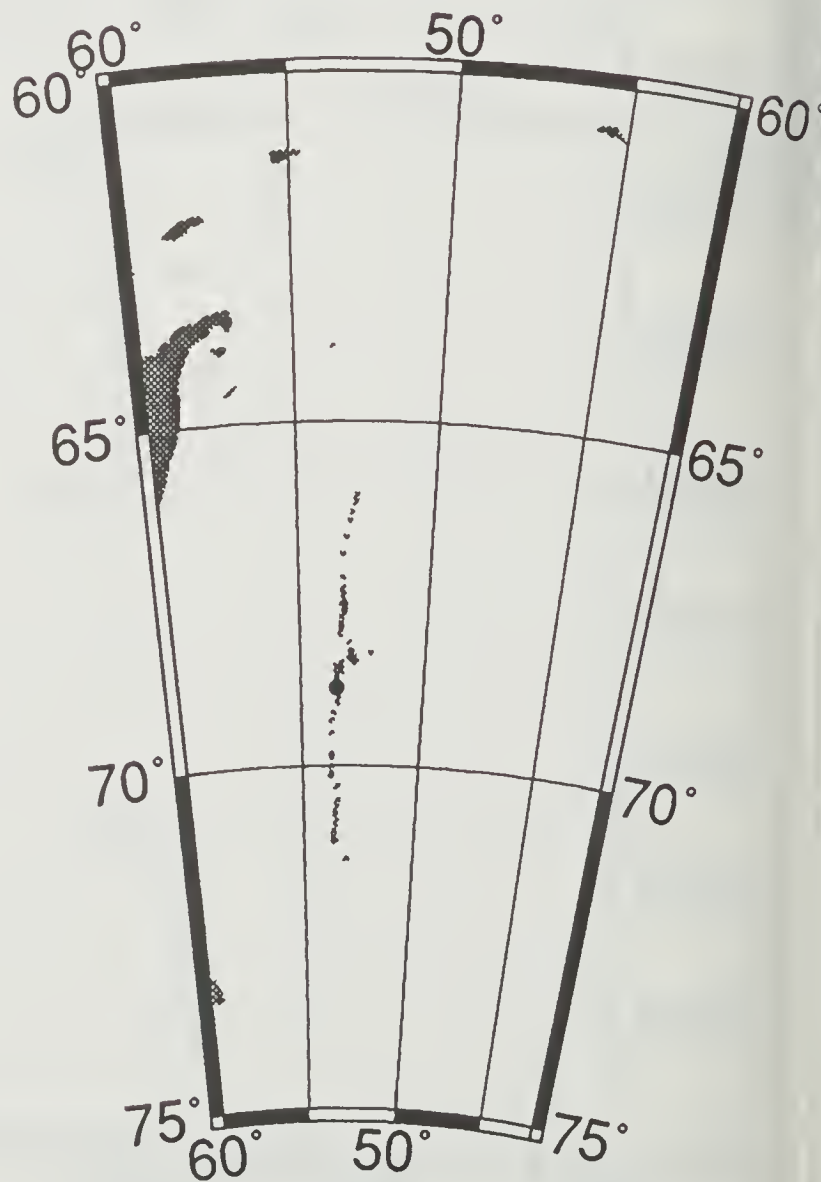
68 51.25 S 53 33.13 W

# potential temperature



ISW-1	-68.8522 S	-53.5537 W	93/04/05	96	16:50	RUSS_CTD	# 36				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.837	-1.837	34.347	27.651	32.422	37.085	0.00	43.1	-8.4	-3.2	
10	-1.845	-1.845	34.352	27.655	32.426	37.089	1.16	42.6	4.8	-2.9	
20	-1.845	-1.845	34.354	27.657	32.428	37.091	0.71	42.4	9.3	-5.7	
30	-1.843	-1.844	34.357	27.659	32.430	37.093	0.87	42.1	9.6	-9.8	
40	-1.840	-1.841	34.361	27.663	32.433	37.096	1.00	41.8	1.6	-9.5	
50	-1.810	-1.811	34.389	27.685	32.454	37.116	2.62	39.6	2.3	-2.0	
60	-1.755	-1.756	34.434	27.720	32.487	37.147	3.31	36.2	14.4	-5.5	
70	-1.759	-1.760	34.443	27.727	32.494	37.154	1.53	35.5	10.8	-17.2	
80	-1.747	-1.749	34.445	27.728	32.495	37.155	0.63	35.3	-2.9	-11.8	
90	-1.749	-1.751	34.446	27.729	32.496	37.156	0.52	35.2	1.9	0.5	
100	-1.741	-1.743	34.449	27.732	32.498	37.157	0.83	34.9	9.3	0.2	
110	-1.720	-1.722	34.454	27.735	32.501	37.159	1.03	34.5	11.1	-2.0	
120	-1.712	-1.715	34.455	27.736	32.501	37.160	0.42	34.4	13.1	-8.4	
130	-1.680	-1.683	34.461	27.740	32.504	37.161	1.10	34.0	7.0	-15.6	
140	-1.646	-1.649	34.461	27.739	32.502	37.158	-0.59	34.1	-0.9	-12.6	
150	-1.633	-1.636	34.463	27.740	32.503	37.159	0.61	33.9	-1.9	-7.5	
160	-1.613	-1.617	34.466	27.742	32.504	37.159	0.74	33.7	9.6	-1.9	
170	-1.551	-1.555	34.476	27.748	32.508	37.162	1.36	33.1	13.4	-11.3	
180	-1.480	-1.484	34.475	27.745	32.503	37.154	-1.03	33.3	4.2	-17.1	
190	-1.497	-1.502	34.481	27.750	32.509	37.161	1.31	32.8	-4.9	-8.9	
200	-1.364	-1.369	34.490	27.753	32.508	37.155	0.83	32.5	1.7	-2.9	
210	-1.286	-1.291	34.509	27.766	32.518	37.163	1.96	31.3	3.7	-1.6	
220	-1.113	-1.119	34.524	27.772	32.519	37.158	1.23	30.8	7.4	-3.4	
230	-1.014	-1.021	34.516	27.762	32.505	37.142	-1.84	31.8	8.3	-4.9	
240	-0.857	-0.864	34.537	27.773	32.511	37.143	1.74	30.9	9.3	-12.1	
250	-0.633	-0.641	34.555	27.778	32.509	37.134	1.04	30.5	5.5	-14.2	
260	-0.496	-0.505	34.581	27.793	32.520	37.141	2.08	29.2	3.6	-15.8	
270	-0.382	-0.391	34.570	27.779	32.502	37.120	-2.17	30.6	-0.8	-13.1	
280	-0.308	-0.318	34.582	27.785	32.506	37.121	1.32	30.1	-0.7	-8.0	
290	-0.089	-0.100	34.595	27.785	32.499	37.108	-0.84	30.3	4.7	-9.2	
300	-0.015	-0.026	34.601	27.786	32.498	37.105	0.34	30.2	3.7	-14.5	
325	0.149	0.136	34.614	27.787	32.495	37.097	0.17	30.2	-6.0	-2.5	
350	0.237	0.223	34.620	27.787	32.492	37.091	-0.32	30.3	3.4	1.0	
375	0.338	0.322	34.631	27.791	32.493	37.089	0.52	30.1	5.6	-1.9	
400	0.386	0.369	34.633	27.790	32.490	37.085	-0.45	30.3	5.6	-3.6	
425	0.439	0.421	34.637	27.790	32.489	37.082	-0.23	30.3	5.8	-4.7	
450	0.463	0.444	34.639	27.790	32.488	37.081	-0.06	30.3	6.5	-6.1	
475	0.480	0.459	34.642	27.792	32.489	37.081	0.40	30.3	6.0	-8.6	
500	0.503	0.481	34.646	27.793	32.491	37.082	0.45	30.1	5.8	-11.0	
550	0.536	0.511	34.651	27.796	32.492	37.082	0.33	30.0	3.3	-13.2	

# AARI 036



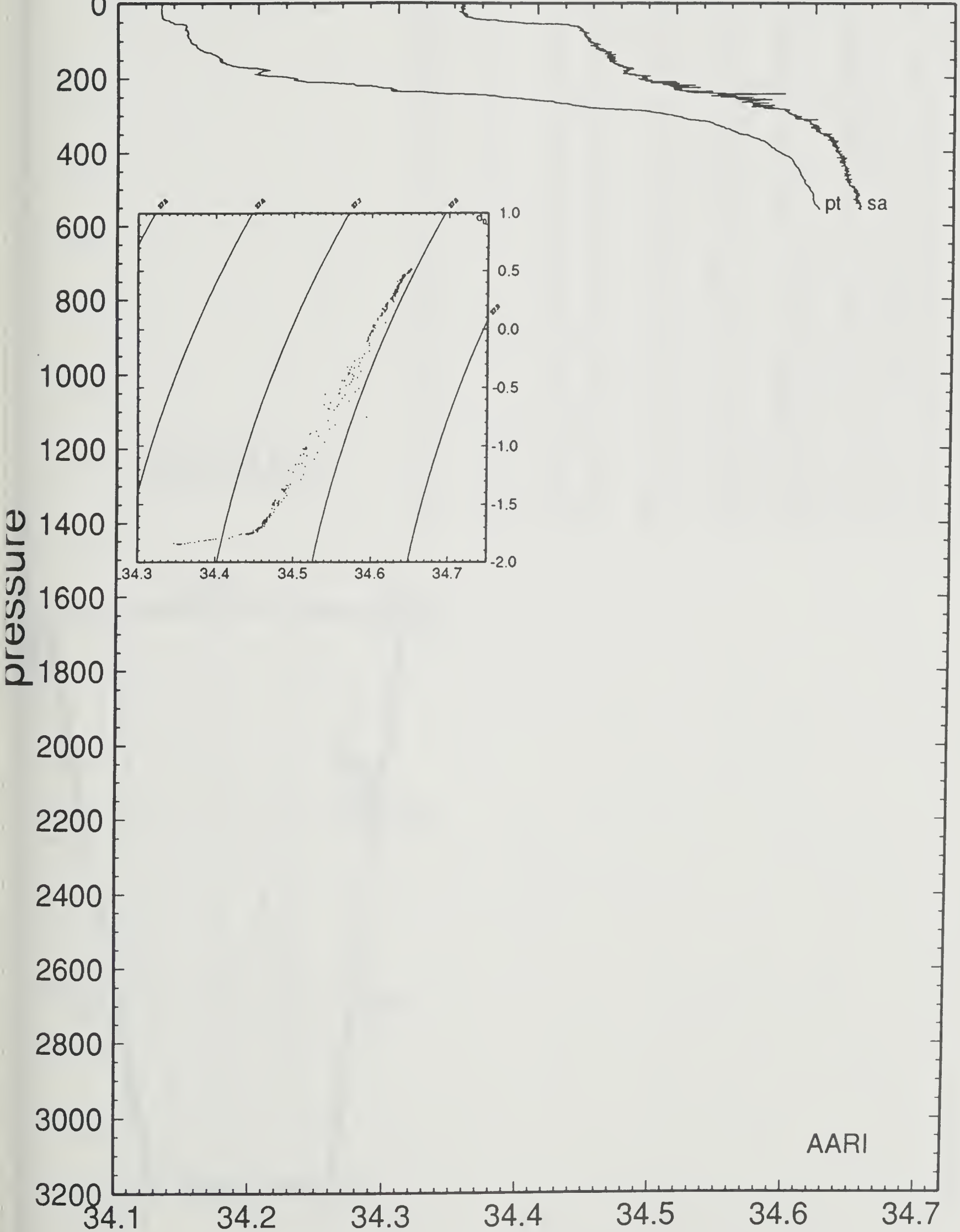
36

93/04/05 16:50

68 51.13 S 53 33.22 W

# potential temperature

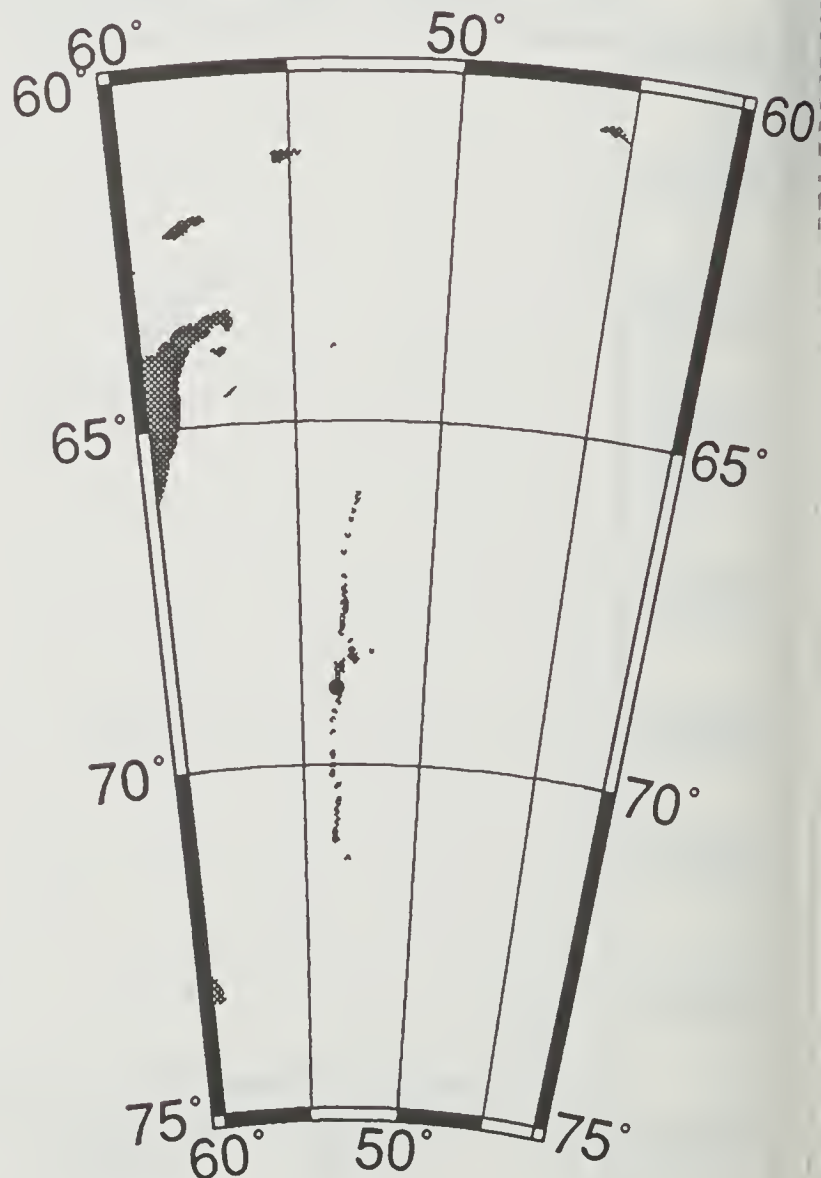
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI

ISW-1	-68.8693 S	-53.5695 W	93/04/05	96	18:52	RUSS CTD	# 37				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.837	-1.837	34.348	27.652	32.422	37.085	0.00	43.0	-18.9	9.5	
10	-1.841	-1.841	34.348	27.652	32.423	37.086	0.19	42.9	0.7	-12.7	
20	-1.840	-1.840	34.346	27.650	32.421	37.084	-0.72	43.0	-3.4	-6.8	
30	-1.841	-1.842	34.350	27.654	32.424	37.087	1.01	42.7	-0.3	3.4	
40	-1.838	-1.839	34.360	27.662	32.432	37.095	1.59	41.8	9.1	4.6	
50	-1.814	-1.815	34.393	27.688	32.457	37.119	2.86	39.3	11.8	1.3	
60	-1.726	-1.727	34.449	27.731	32.497	37.156	3.67	35.2	12.8	-1.9	
70	-1.723	-1.724	34.455	27.736	32.502	37.160	1.22	34.7	17.0	-5.1	
80	-1.714	-1.716	34.467	27.745	32.511	37.169	1.72	33.7	18.3	-10.7	
90	-1.690	-1.692	34.468	27.746	32.510	37.168	0.15	33.7	17.2	-12.5	
100	-1.686	-1.688	34.467	27.745	32.509	37.167	-0.54	33.7	15.6	-17.3	
110	-1.676	-1.678	34.472	27.748	32.513	37.170	1.08	33.3	7.0	-22.0	
120	-1.677	-1.680	34.479	27.754	32.518	37.175	1.34	32.7	-2.2	-18.2	
130	-1.651	-1.654	34.484	27.757	32.521	37.177	1.00	32.3	-1.9	-5.7	
140	-1.587	-1.590	34.486	27.757	32.519	37.173	-0.41	32.3	10.1	-3.2	
150	-1.493	-1.497	34.495	27.762	32.520	37.171	1.12	31.9	14.3	-11.5	
160	-1.361	-1.365	34.504	27.765	32.519	37.166	0.86	31.6	10.9	-20.1	
170	-1.247	-1.251	34.508	27.764	32.515	37.158	-0.62	31.7	-1.5	-20.1	
180	-1.104	-1.109	34.523	27.771	32.517	37.156	1.39	31.1	-5.6	-10.8	
190	-0.880	-0.886	34.536	27.773	32.512	37.144	0.42	31.0	-1.2	-1.9	
200	-0.743	-0.749	34.555	27.783	32.517	37.145	1.67	30.1	3.6	0.1	
210	-0.589	-0.596	34.576	27.793	32.523	37.146	1.71	29.2	5.6	0.1	
220	-0.487	-0.494	34.567	27.781	32.508	37.128	-1.98	30.4	6.1	-0.4	
230	-0.350	-0.358	34.594	27.797	32.519	37.135	2.13	29.0	7.6	1.0	
240	-0.314	-0.322	34.586	27.788	32.510	37.125	-1.62	29.8	7.7	0.6	
250	-0.267	-0.276	34.589	27.788	32.509	37.122	-0.24	29.8	6.8	0.4	
260	-0.150	-0.159	34.610	27.800	32.516	37.126	1.79	28.8	8.5	1.8	
270	-0.035	-0.045	34.614	27.797	32.510	37.117	-1.06	29.1	6.7	0.9	
280	0.053	0.042	34.625	27.801	32.512	37.116	1.05	28.8	5.9	0.1	
290	0.128	0.117	34.628	27.800	32.508	37.110	-0.84	29.0	5.6	0.4	
300	0.190	0.178	34.630	27.798	32.504	37.104	-0.85	29.2	6.3	1.1	
325	0.297	0.284	34.641	27.801	32.504	37.101	0.49	29.1	6.6	0.0	
350	0.299	0.285	34.642	27.802	32.505	37.102	0.30	29.0	5.3	0.9	
375	0.389	0.373	34.646	27.800	32.500	37.095	-0.59	29.3	6.8	-1.5	
400	0.412	0.395	34.654	27.805	32.505	37.098	0.78	28.8	5.8	-0.9	
425	0.466	0.448	34.658	27.805	32.503	37.095	-0.25	28.9	5.1	-2.6	
450	0.464	0.445	34.658	27.805	32.503	37.096	0.17	28.9	4.7	-2.4	
475	0.490	0.469	34.659	27.805	32.502	37.094	-0.35	29.0	4.0	-2.0	
500	0.506	0.484	34.661	27.805	32.502	37.094	0.25	29.0	4.2	-3.5	
550	0.541	0.516	34.667	27.808	32.504	37.095	0.38	28.9	2.0	-4.6	
600	0.555	0.528	34.671	27.811	32.506	37.096	0.38	28.7	-0.0	-4.3	
650	0.573	0.543	34.672	27.811	32.506	37.095	-0.16	28.8	0.1	-5.8	
700	0.558	0.526	34.673	27.813	32.508	37.098	0.37	28.7	-0.7	-4.9	
750	0.529	0.494	34.672	27.814	32.510	37.101	0.33	28.6	-1.6	-3.4	
800	0.495	0.458	34.672	27.816	32.513	37.105	0.43	28.3	-1.3	-4.4	
850	0.466	0.426	34.671	27.817	32.515	37.108	0.34	28.2	-1.7	-4.8	
900	0.435	0.393	34.672	27.820	32.519	37.113	0.48	28.0	-3.4	-5.5	
950	0.410	0.365	34.672	27.821	32.522	37.116	0.38	27.8	-4.0	-3.8	
1000	0.390	0.343	34.671	27.822	32.523	37.118	0.27	27.7	-3.4	-7.5	

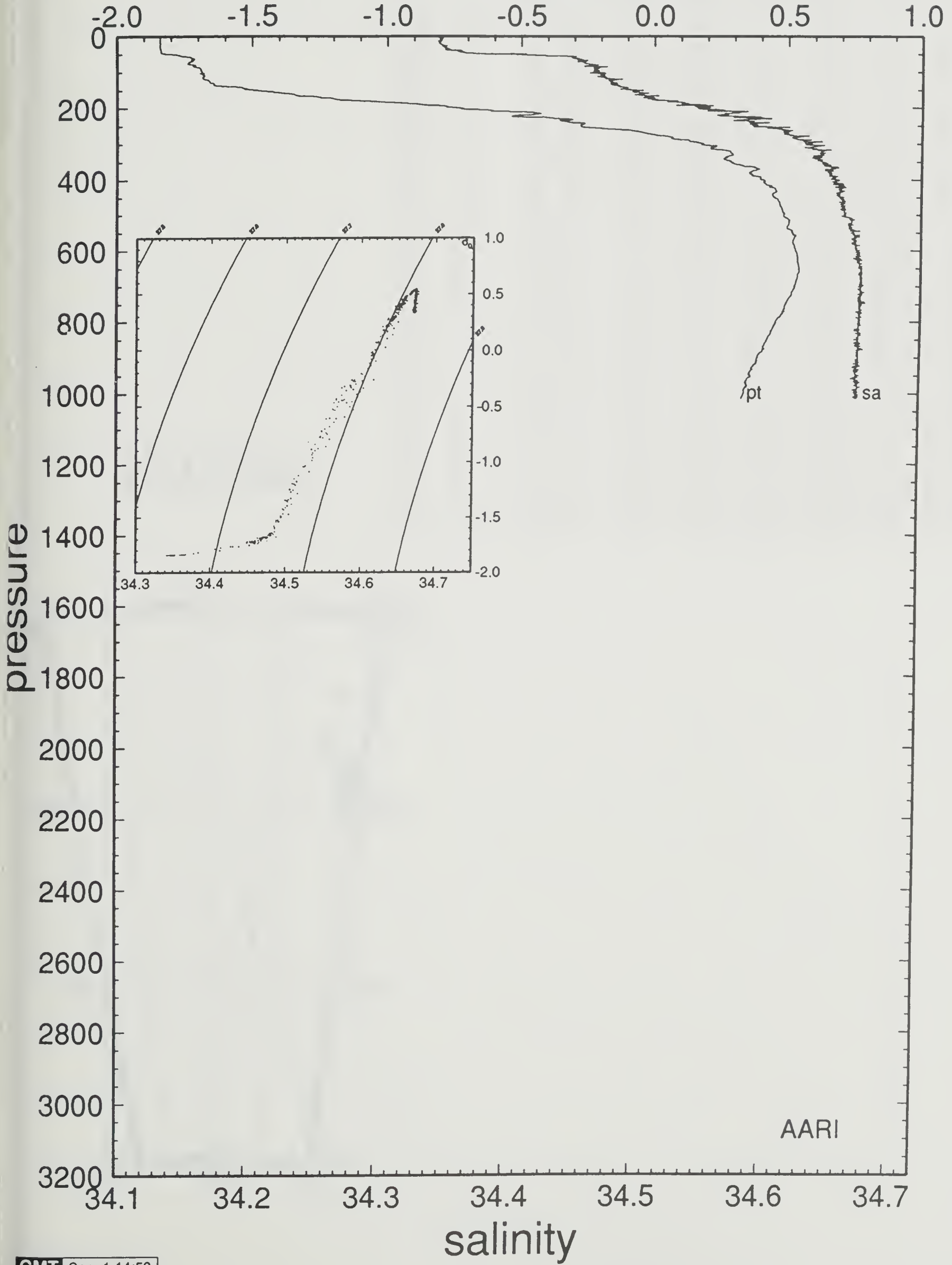
AARI 037





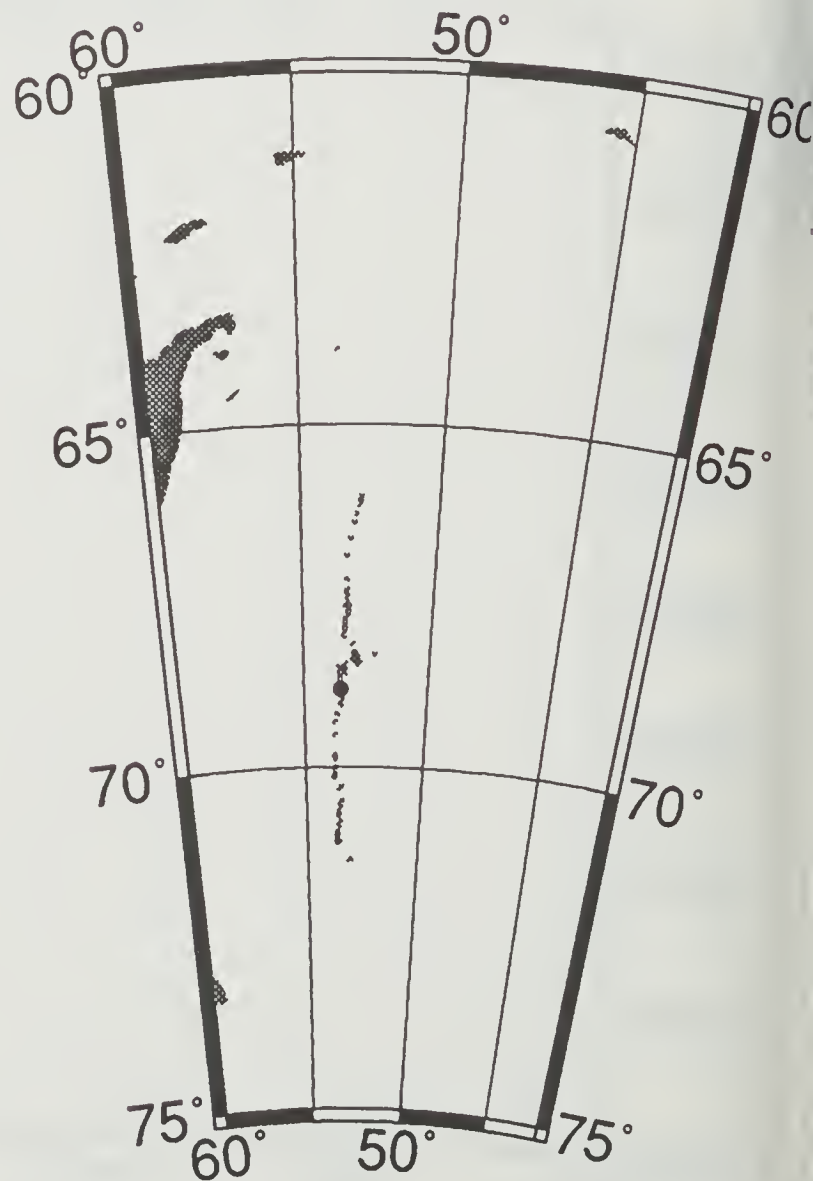
37 93/04/05 18:52 68 52.16 S 53 34.17 W

# potential temperature



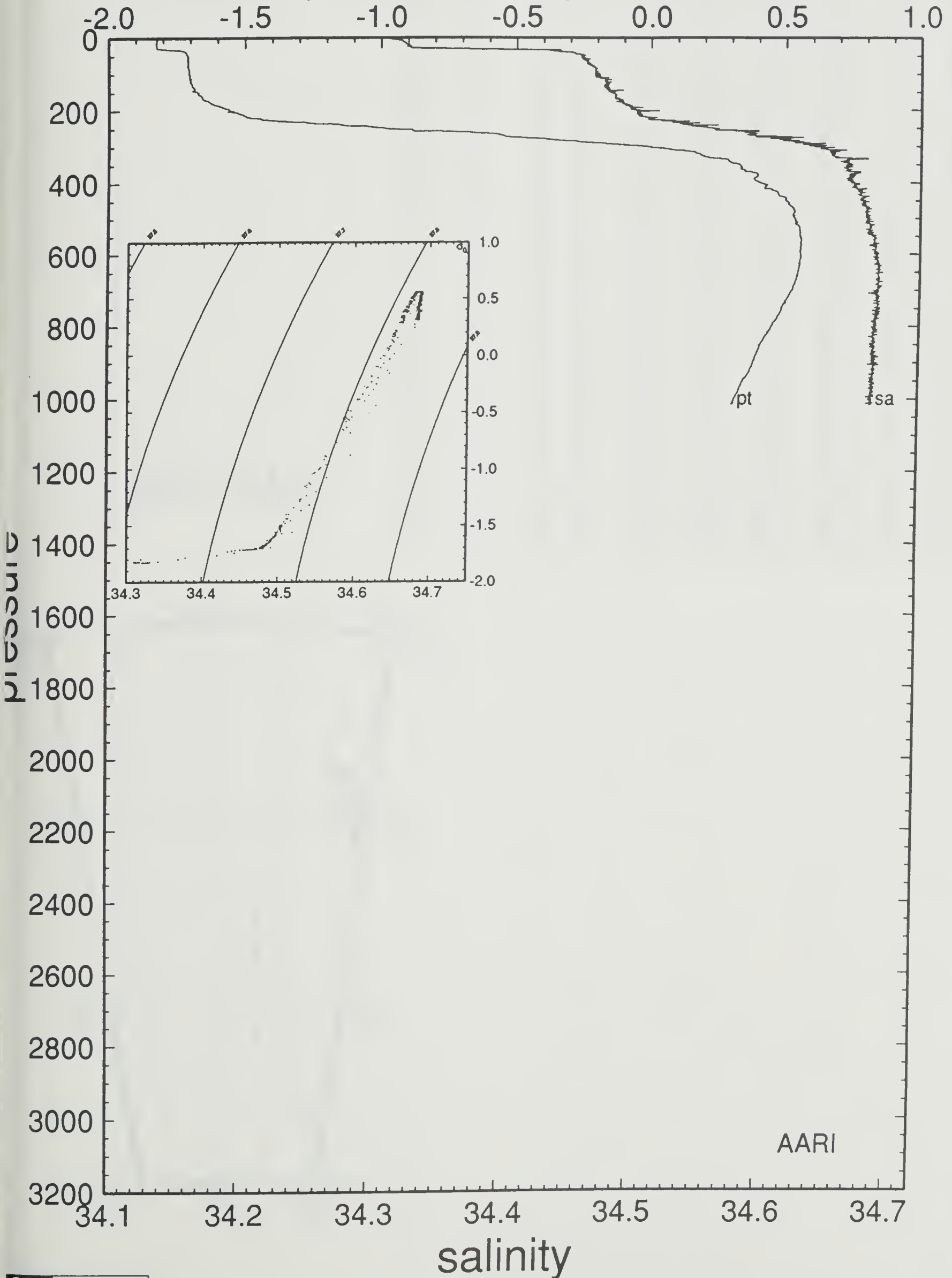
ISW-1	-68.8532 S	-53.5025 W	93/04/06	97	16:03	RUSS_CTD	# 38				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.793	-1.793	34.319	27.627	32.396	37.058	0.00	45.4	3.4	-5.1	
10	-1.825	-1.825	34.323	27.631	32.402	37.064	1.13	44.9	5.0	-7.5	
20	-1.826	-1.826	34.327	27.635	32.405	37.068	1.01	44.5	6.3	-10.3	
30	-1.822	-1.823	34.338	27.643	32.413	37.076	1.66	43.6	2.0	-8.5	
40	-1.717	-1.718	34.450	27.732	32.497	37.156	5.25	35.2	-0.1	-9.5	
50	-1.709	-1.710	34.459	27.739	32.504	37.162	1.49	34.5	-0.3	-9.7	
60	-1.709	-1.710	34.461	27.740	32.506	37.164	0.71	34.3	-2.5	-13.2	
70	-1.709	-1.710	34.465	27.744	32.509	37.167	1.01	33.9	-5.1	-10.5	
80	-1.709	-1.711	34.468	27.746	32.511	37.169	0.87	33.7	-1.3	-8.5	
90	-1.705	-1.707	34.470	27.748	32.513	37.171	0.69	33.5	4.0	-10.6	
100	-1.704	-1.706	34.471	27.748	32.514	37.171	0.50	33.3	5.5	-13.7	
110	-1.701	-1.703	34.474	27.751	32.516	37.174	0.86	33.0	3.5	-16.5	
120	-1.698	-1.701	34.477	27.753	32.518	37.176	0.86	32.8	2.4	-17.2	
130	-1.693	-1.696	34.477	27.753	32.518	37.175	-0.22	32.7	1.7	-17.9	
140	-1.684	-1.687	34.481	27.756	32.520	37.178	0.96	32.4	-1.9	-18.7	
150	-1.671	-1.674	34.484	27.758	32.522	37.179	0.79	32.2	-3.3	-17.8	
160	-1.657	-1.661	34.486	27.759	32.523	37.179	0.60	32.0	-4.4	-15.4	
170	-1.648	-1.652	34.487	27.760	32.523	37.179	0.40	31.9	-6.3	-13.1	
180	-1.620	-1.624	34.492	27.763	32.525	37.181	0.98	31.5	-4.8	-11.1	
190	-1.579	-1.583	34.497	27.766	32.527	37.181	0.90	31.2	-3.8	-7.8	
200	-1.549	-1.554	34.504	27.771	32.531	37.184	1.20	30.8	-2.1	-12.2	
210	-1.507	-1.512	34.502	27.768	32.527	37.178	-1.00	31.0	1.6	-10.2	
220	-1.459	-1.464	34.508	27.771	32.528	37.179	0.97	30.7	-0.6	-14.4	
230	-1.322	-1.328	34.534	27.788	32.540	37.186	2.21	29.2	-3.4	-15.5	
240	-1.133	-1.140	34.540	27.786	32.533	37.173	-1.00	29.4	-4.9	-12.4	
250	-0.971	-0.978	34.559	27.795	32.537	37.172	1.58	28.6	-2.0	-7.8	
260	-0.671	-0.679	34.593	27.810	32.543	37.168	2.00	27.4	0.5	-8.5	
270	-0.540	-0.549	34.588	27.801	32.529	37.151	-1.84	28.4	4.8	-10.8	
280	-0.377	-0.387	34.605	27.807	32.530	37.147	1.23	27.9	4.2	-13.0	
290	-0.179	-0.190	34.625	27.813	32.531	37.142	1.22	27.5	5.0	-15.7	
300	-0.014	-0.025	34.634	27.812	32.524	37.131	-0.91	27.7	3.2	-16.9	
325	0.199	0.186	34.651	27.814	32.520	37.120	0.19	27.7	-1.9	-16.4	
350	0.337	0.323	34.665	27.818	32.520	37.116	0.52	27.5	-3.7	-13.1	
375	0.407	0.391	34.669	27.817	32.517	37.111	-0.43	27.7	-0.9	-10.6	
400	0.417	0.400	34.668	27.816	32.515	37.109	-0.42	27.8	-4.1	-7.0	
425	0.480	0.462	34.674	27.817	32.515	37.106	0.23	27.8	2.9	-5.3	
450	0.517	0.497	34.677	27.817	32.514	37.105	-0.15	27.8	9.0	-11.5	
475	0.550	0.529	34.680	27.818	32.513	37.103	0.10	27.9	2.6	-14.7	
500	0.555	0.533	34.679	27.817	32.512	37.102	-0.37	28.0	-4.3	-10.9	
550	0.579	0.554	34.683	27.819	32.514	37.103	0.31	27.9	-3.6	-9.5	
600	0.582	0.555	34.685	27.820	32.515	37.104	0.31	27.8	-1.2	-8.3	
650	0.577	0.547	34.688	27.823	32.518	37.107	0.43	27.6	0.7	-11.8	
700	0.558	0.526	34.688	27.825	32.520	37.110	0.33	27.5	0.5	-14.6	
750	0.523	0.488	34.688	27.827	32.523	37.114	0.44	27.3	-1.6	-8.8	
800	0.488	0.451	34.686	27.828	32.525	37.117	0.30	27.2	-0.4	-10.5	
850	0.449	0.409	34.683	27.828	32.526	37.120	0.26	27.2	3.2	-3.0	
900	0.425	0.383	34.686	27.831	32.531	37.125	0.54	26.8	-0.3	-11.9	
950	0.391	0.346	34.685	27.833	32.534	37.129	0.38	26.7	-0.1	-12.8	
1000	0.363	0.316	34.684	27.834	32.535	37.131	0.34	26.5	-1.2	-5.6	

AARI 038



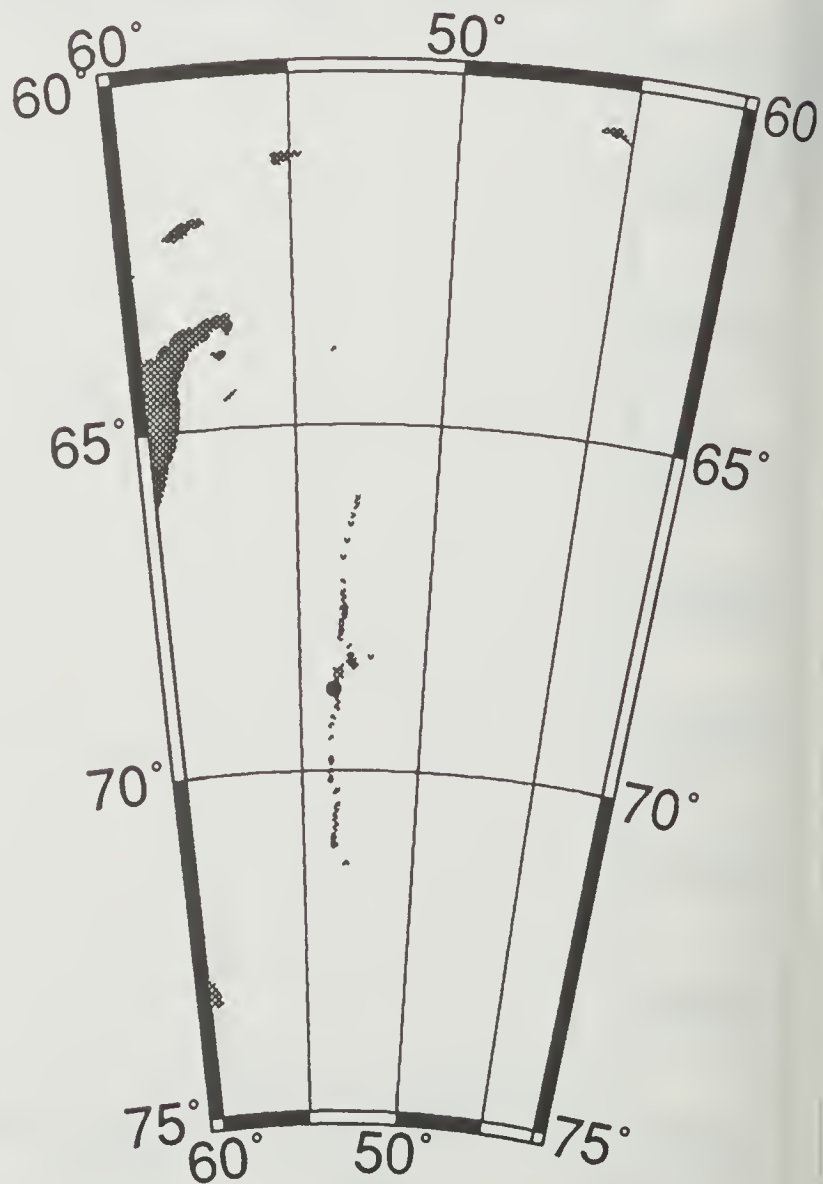
38 93/04/06 16:03 68 51.19 S 53 30.15 W

# potential temperature



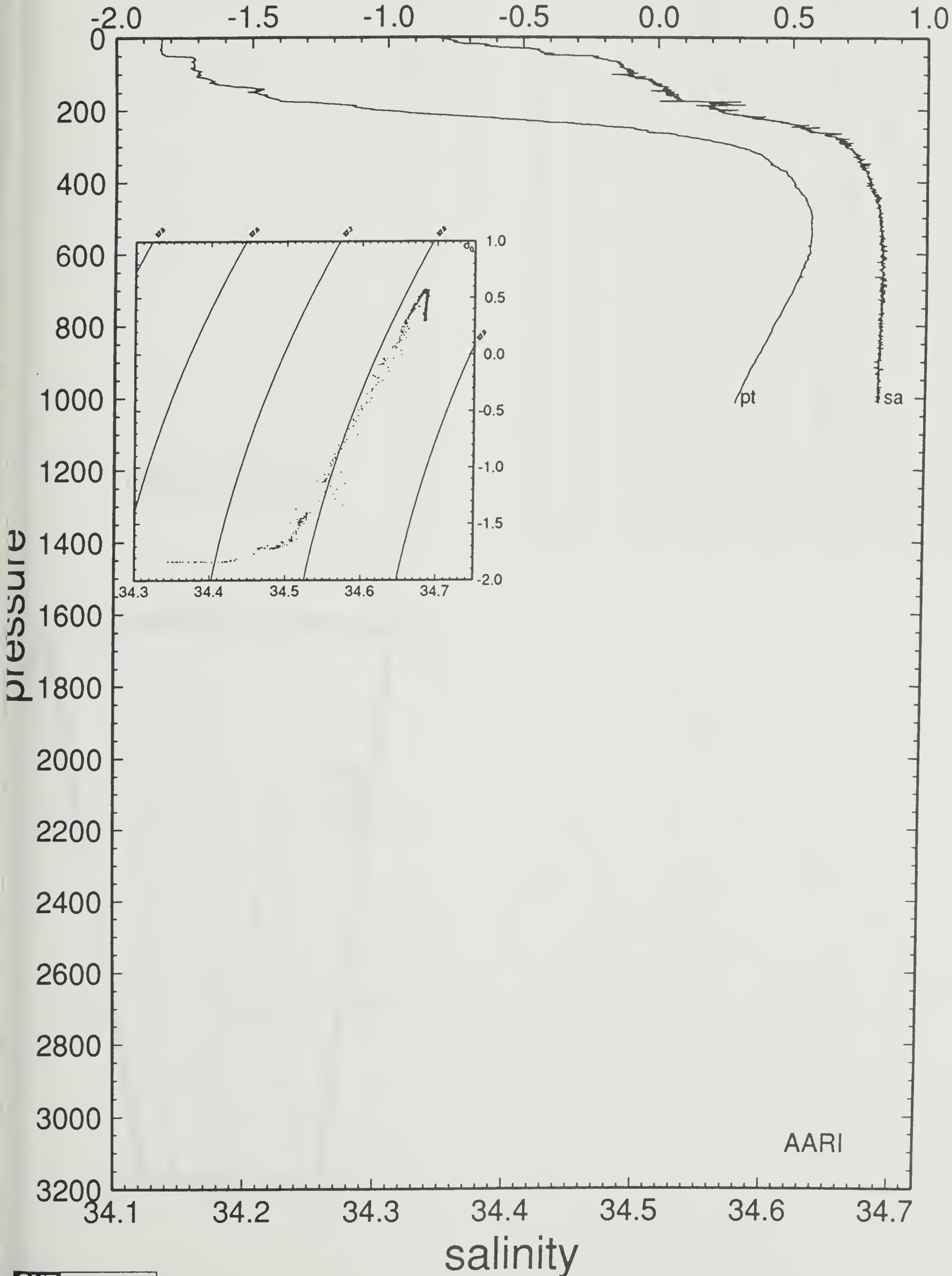
ISW-1	-68.8087 S	-53.625 W	93/04/07 98 15:33 RUSS CTD # 39							U-VEL	V-VEL
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA			
0	-1.831	-1.831	34.345	27.649	32.420	37.082	0.00	43.3	-3.1	-8.6	
10	-1.835	-1.835	34.356	27.658	32.429	37.092	1.68	42.3	2.3	-8.3	
20	-1.835	-1.835	34.378	27.676	32.446	37.109	2.37	40.6	-2.5	-1.0	
30	-1.837	-1.838	34.400	27.694	32.464	37.127	2.37	38.8	4.7	-0.1	
40	-1.834	-1.835	34.423	27.713	32.483	37.145	2.41	37.0	5.9	-3.8	
50	-1.815	-1.816	34.435	27.722	32.491	37.153	1.70	36.1	1.7	-7.4	
60	-1.712	-1.713	34.470	27.748	32.513	37.171	2.82	33.6	-1.3	-2.5	
70	-1.715	-1.716	34.482	27.758	32.523	37.181	1.76	32.6	3.2	-6.0	
80	-1.711	-1.713	34.486	27.761	32.526	37.184	0.99	32.3	-1.6	-10.9	
90	-1.705	-1.707	34.491	27.765	32.530	37.187	1.10	31.8	-4.4	-5.8	
100	-1.699	-1.701	34.495	27.768	32.533	37.190	0.98	31.5	-1.5	-5.6	
110	-1.683	-1.685	34.501	27.772	32.536	37.193	1.17	31.0	-2.2	-8.1	
120	-1.640	-1.643	34.506	27.775	32.538	37.193	0.91	30.7	-5.6	-7.8	
130	-1.619	-1.622	34.509	27.777	32.539	37.194	0.74	30.5	-3.5	-4.2	
140	-1.478	-1.481	34.517	27.779	32.537	37.187	0.70	30.3	0.0	-7.2	
150	-1.508	-1.511	34.519	27.782	32.540	37.192	0.92	30.0	-4.1	-7.8	
160	-1.454	-1.458	34.521	27.781	32.538	37.188	-0.33	30.0	-3.4	-5.5	
170	-1.411	-1.415	34.529	27.787	32.542	37.191	1.23	29.5	-0.1	-5.3	
180	-1.264	-1.269	34.560	27.807	32.557	37.201	2.46	27.6	0.3	-8.4	
190	-1.125	-1.130	34.549	27.793	32.539	37.179	-2.14	29.0	-1.7	-10.6	
200	-1.050	-1.056	34.560	27.799	32.543	37.180	1.33	28.4	-5.7	-9.7	
210	-0.904	-0.910	34.565	27.797	32.537	37.170	-0.90	28.6	-6.8	-5.2	
220	-0.686	-0.693	34.583	27.803	32.536	37.162	1.13	28.2	-0.9	-3.6	
230	-0.477	-0.485	34.600	27.807	32.534	37.154	0.97	27.9	1.2	-7.2	
240	-0.281	-0.289	34.617	27.812	32.532	37.146	0.98	27.6	-2.3	-10.0	
250	-0.103	-0.112	34.631	27.814	32.529	37.138	0.58	27.5	-5.6	-6.2	
260	-0.031	-0.041	34.631	27.811	32.523	37.130	-1.15	27.9	-3.3	-2.8	
270	0.077	0.067	34.640	27.812	32.522	37.125	0.47	27.8	0.1	-3.9	
280	0.155	0.144	34.657	27.822	32.529	37.130	1.66	27.0	0.5	-4.9	
290	0.229	0.217	34.653	27.814	32.519	37.118	-1.57	27.7	0.2	-5.7	
300	0.292	0.280	34.657	27.814	32.517	37.114	-0.51	27.8	-0.9	-5.7	
325	0.394	0.381	34.668	27.817	32.517	37.111	0.52	27.6	3.9	-8.9	
350	0.435	0.420	34.671	27.817	32.516	37.109	-0.20	27.7	-5.3	-8.0	
375	0.493	0.477	34.674	27.816	32.513	37.105	-0.44	27.8	-4.3	-4.0	
400	0.521	0.504	34.677	27.817	32.513	37.104	0.25	27.8	-1.6	-3.3	
425	0.542	0.523	34.678	27.817	32.512	37.102	-0.28	27.9	1.1	-4.9	
450	0.568	0.548	34.682	27.818	32.513	37.103	0.42	27.8	1.1	-5.9	
475	0.586	0.565	34.683	27.818	32.513	37.101	-0.23	27.9	-0.6	-5.6	
500	0.594	0.572	34.684	27.819	32.513	37.101	0.19	27.9	3.5	-8.2	
550	0.595	0.570	34.686	27.820	32.515	37.103	0.33	27.8	-3.7	-4.5	
600	0.590	0.563	34.687	27.822	32.516	37.105	0.29	27.8	-2.4	-3.8	
650	0.563	0.533	34.687	27.823	32.519	37.108	0.38	27.6	-1.2	-4.0	
700	0.537	0.505	34.685	27.823	32.520	37.110	0.20	27.6	-1.1	-4.7	
750	0.505	0.470	34.686	27.826	32.523	37.115	0.47	27.3	-1.6	-5.3	
800	0.470	0.433	34.685	27.828	32.526	37.118	0.38	27.2	0.4	-6.2	
850	0.442	0.402	34.685	27.830	32.529	37.122	0.40	27.0	0.1	-6.1	
900	0.408	0.366	34.682	27.829	32.529	37.124	0.20	27.0	1.6	-6.0	
950	0.375	0.330	34.684	27.833	32.534	37.130	0.54	26.6	0.1	-6.8	
1000	0.347	0.300	34.683	27.834	32.536	37.132	0.34	26.5	0.8	-8.9	

AARI 039



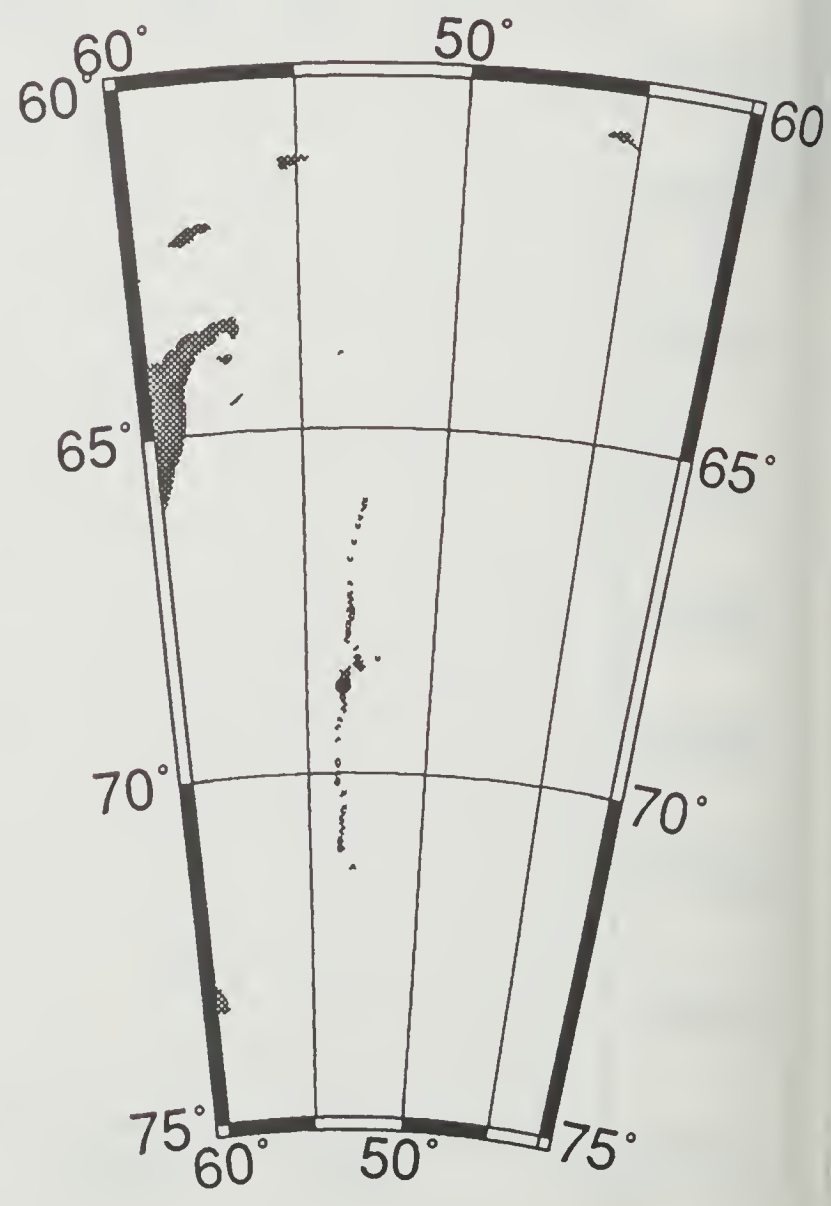
39 93/04/07 15:33 68 48.52 S 53 37.50 W

# potential temperature



ISW-1	-68.7377 S	-53.538 W	93/04/08	99	16:38	RUSS	CTD	#	40			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL		
0	-1.834	-1.834	34.313	27.623	32.394	37.057	0.00	45.7	12.2	-4.6		
10	-1.841	-1.841	34.320	27.629	32.400	37.063	1.36	45.1	3.4	-6.8		
20	-1.841	-1.841	34.320	27.629	32.400	37.064	0.04	45.0	-0.8	-2.6		
30	-1.840	-1.841	34.324	27.632	32.403	37.067	1.01	44.7	9.2	0.9		
40	-1.839	-1.840	34.326	27.634	32.405	37.068	0.71	44.5	10.7	-9.5		
50	-1.829	-1.830	34.335	27.641	32.412	37.074	1.49	43.7	-1.7	-12.4		
60	-1.787	-1.788	34.383	27.679	32.448	37.109	3.44	40.1	-6.7	-5.4		
70	-1.661	-1.662	34.437	27.719	32.484	37.140	3.54	36.2	-8.3	-0.5		
80	-1.607	-1.609	34.442	27.722	32.484	37.140	0.86	36.0	-5.2	5.1		
90	-1.572	-1.574	34.458	27.734	32.495	37.149	1.93	34.8	-1.1	7.9		
100	-1.454	-1.456	34.483	27.751	32.508	37.158	2.26	33.2	6.6	5.9		
110	-1.324	-1.327	34.500	27.760	32.513	37.159	1.68	32.3	6.0	-1.3		
120	-1.157	-1.160	34.521	27.771	32.519	37.160	1.82	31.3	-1.1	-6.6		
130	-0.994	-0.998	34.538	27.779	32.521	37.157	1.48	30.6	-6.1	-2.0		
140	-0.873	-0.877	34.543	27.778	32.517	37.149	-0.62	30.6	-5.9	4.8		
150	-0.744	-0.748	34.553	27.781	32.516	37.144	0.83	30.4	1.1	8.8		
160	-0.690	-0.695	34.558	27.783	32.516	37.142	0.68	30.2	9.2	1.8		
170	-0.601	-0.606	34.565	27.784	32.515	37.139	0.65	30.1	4.2	-5.5		
180	-0.471	-0.477	34.578	27.789	32.515	37.135	1.11	29.7	3.2	-7.0		
190	-0.394	-0.400	34.583	27.790	32.514	37.131	0.10	29.7	1.6	-7.7		
200	-0.335	-0.342	34.589	27.792	32.514	37.130	0.73	29.5	0.9	-8.9		
210	-0.228	-0.235	34.600	27.795	32.514	37.127	0.97	29.2	0.1	-9.3		
220	-0.053	-0.061	34.627	27.808	32.522	37.129	1.92	28.1	-3.8	-7.8		
230	0.013	0.004	34.617	27.797	32.508	37.114	-1.93	29.2	-3.1	-8.7		
240	0.089	0.080	34.625	27.799	32.508	37.112	0.77	29.0	-4.6	-7.7		
250	0.152	0.142	34.630	27.800	32.507	37.109	0.23	29.0	-2.8	-7.5		
260	0.190	0.180	34.631	27.799	32.505	37.105	-0.70	29.2	-4.5	-7.1		
270	0.234	0.223	34.636	27.800	32.505	37.104	0.63	29.0	-1.2	-8.8		
280	0.269	0.258	34.640	27.802	32.505	37.103	0.56	29.0	-0.6	-7.2		
290	0.314	0.302	34.643	27.801	32.504	37.101	-0.39	29.0	-0.9	-7.9		
300	0.340	0.328	34.643	27.800	32.502	37.098	-0.72	29.2	-0.9	-7.3		
325	0.417	0.403	34.647	27.799	32.498	37.092	-0.48	29.4	-2.8	-7.4		
350	0.428	0.413	34.651	27.801	32.501	37.094	0.56	29.1	-3.2	-7.5		
375	0.469	0.453	34.657	27.804	32.502	37.094	0.51	29.0	-2.7	-7.1		
400	0.505	0.488	34.658	27.803	32.500	37.091	-0.45	29.2	-1.6	-6.3		
425	0.539	0.520	34.663	27.805	32.501	37.091	0.46	29.0	1.9	-9.0		
450	0.554	0.534	34.664	27.805	32.500	37.090	-0.16	29.1	2.5	-8.3		
475	0.572	0.551	34.666	27.805	32.500	37.090	0.21	29.1	2.6	-9.2		
500	0.573	0.551	34.668	27.807	32.502	37.091	0.45	29.0	3.3	-7.6		
550	0.584	0.559	34.672	27.810	32.504	37.093	0.40	28.8	4.9	-8.2		
600	0.572	0.545	34.672	27.811	32.506	37.095	0.26	28.8	4.2	-5.9		
650	0.559	0.529	34.672	27.812	32.507	37.097	0.28	28.7	4.6	-6.3		
700	0.532	0.500	34.672	27.813	32.510	37.100	0.38	28.5	5.0	-5.0		
750	0.497	0.462	34.672	27.816	32.513	37.105	0.43	28.3	3.5	-8.3		
800	0.462	0.425	34.670	27.816	32.515	37.108	0.30	28.2	3.2	-6.3		
850	0.432	0.393	34.671	27.819	32.518	37.112	0.47	28.0	1.6	-7.2		
900	0.408	0.366	34.670	27.820	32.520	37.114	0.30	27.9	5.5	-7.0		
950	0.375	0.331	34.670	27.822	32.523	37.119	0.43	27.7	2.2	-5.5		
1000	0.346	0.299	34.670	27.823	32.526	37.122	0.41	27.4	6.3	-5.0		

AARI 040



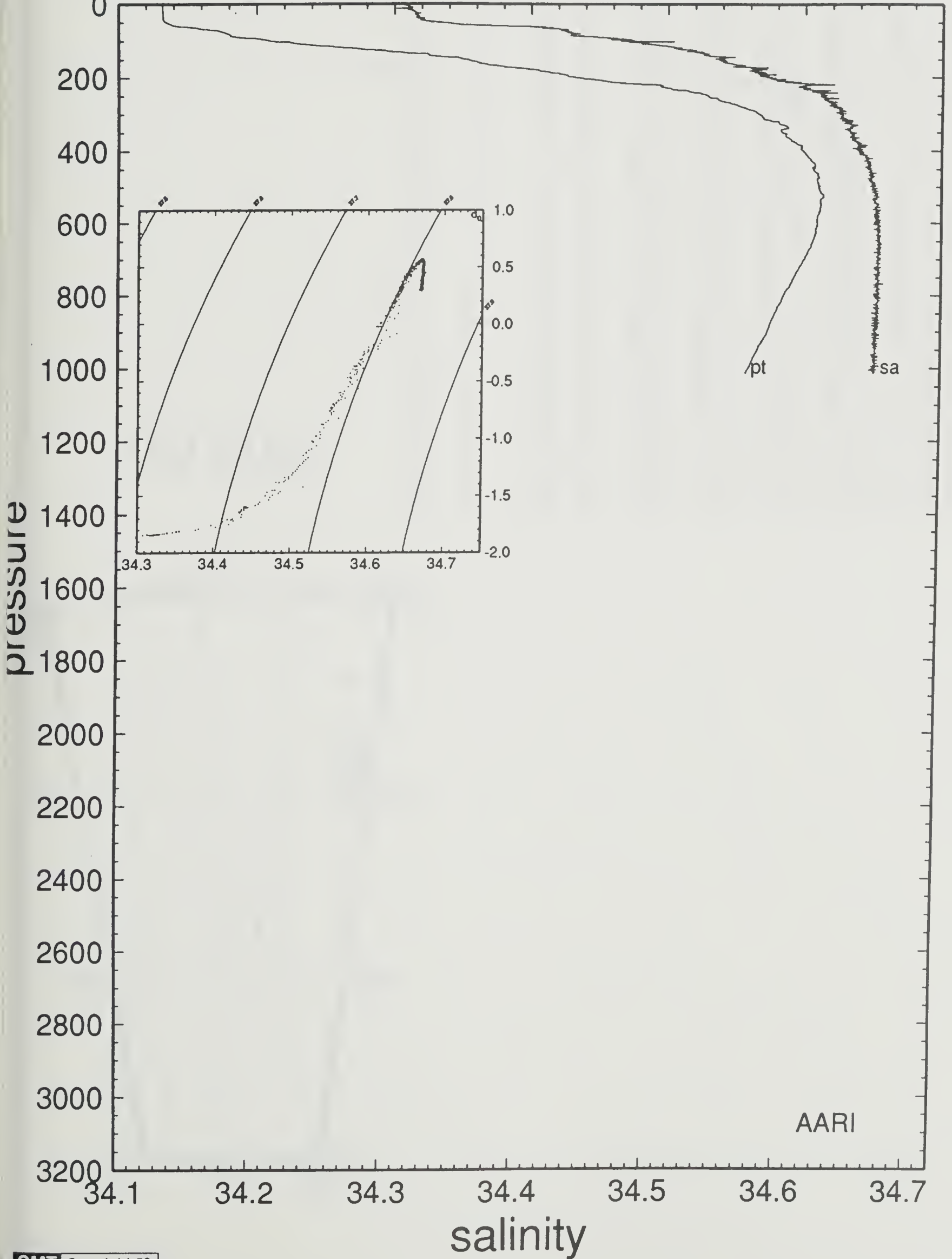
40

93/04/08 16:38

68 44.26 S 53 32.28 W

# potential temperature

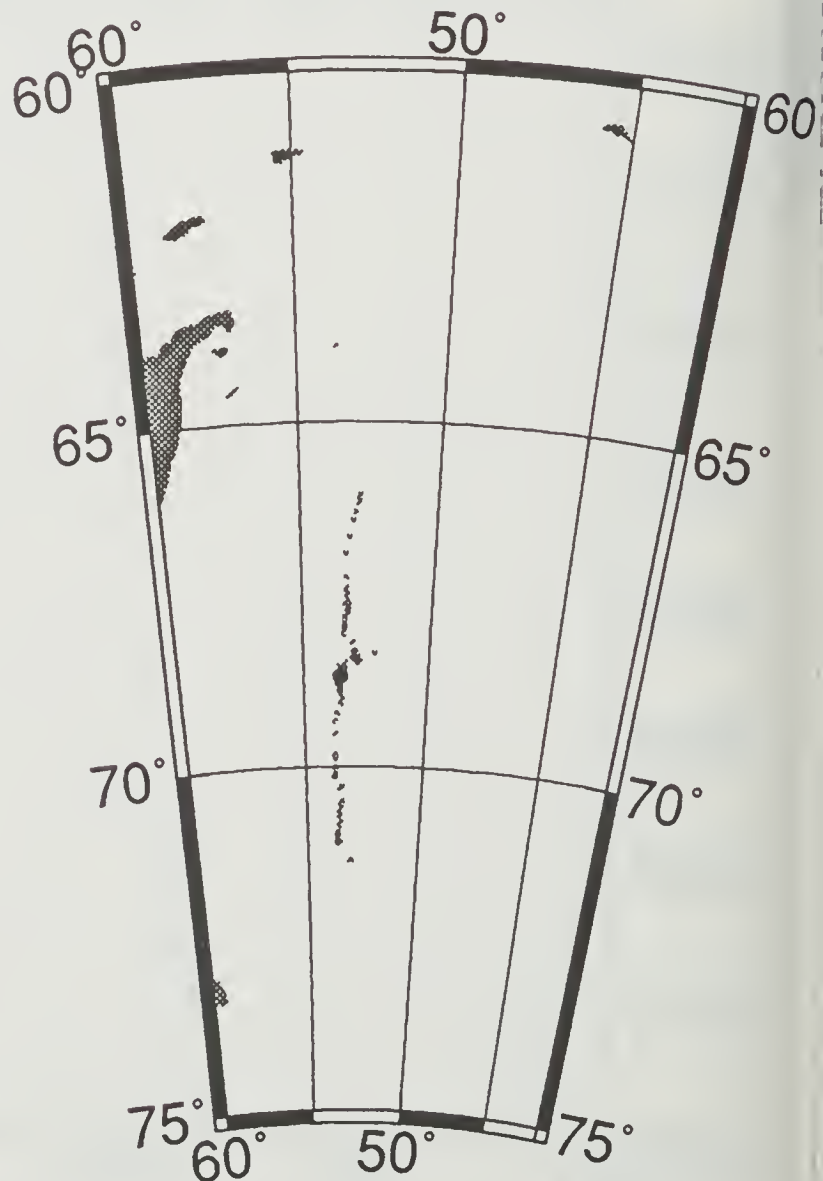
-2.0    -1.5    -1.0    -0.5    0.0    0.5    1.0



AARI

ISW-1	-68.6868 S	-53.5217 W	93/04/09	100	15:56	RUSS CTD # 41					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.775	-1.775	34.249	27.570	32.339	37.001	0.00	50.8	1.8	-6.4	
10	-1.840	-1.840	34.282	27.598	32.369	37.033	2.99	48.0	-0.4	-1.5	
20	-1.843	-1.843	34.287	27.602	32.374	37.037	1.14	47.6	0.6	0.2	
30	-1.845	-1.846	34.293	27.607	32.379	37.042	1.24	47.0	0.5	1.6	
40	-1.817	-1.818	34.324	27.632	32.402	37.065	2.77	44.7	1.5	1.8	
50	-1.776	-1.777	34.365	27.664	32.433	37.094	3.17	41.6	5.0	2.1	
60	-1.728	-1.729	34.410	27.699	32.466	37.125	3.32	38.2	8.7	-0.9	
70	-1.699	-1.700	34.431	27.716	32.481	37.139	2.25	36.6	2.2	-3.2	
80	-1.678	-1.680	34.439	27.722	32.486	37.144	1.35	36.0	-2.0	-1.6	
90	-1.628	-1.630	34.447	27.727	32.490	37.145	1.24	35.5	-1.7	1.9	
100	-1.623	-1.625	34.447	27.726	32.489	37.145	-0.22	35.4	-0.9	1.7	
110	-1.613	-1.615	34.452	27.730	32.493	37.148	1.08	35.0	1.2	3.2	
120	-1.569	-1.572	34.454	27.731	32.492	37.146	0.22	34.9	2.2	3.4	
130	-1.521	-1.524	34.461	27.735	32.494	37.147	1.12	34.5	3.9	2.0	
140	-1.342	-1.345	34.476	27.741	32.495	37.142	1.33	33.9	4.2	-0.7	
150	-1.292	-1.296	34.484	27.746	32.498	37.143	1.20	33.5	3.1	-1.6	
160	-1.161	-1.165	34.496	27.751	32.499	37.140	1.18	33.0	0.3	-1.4	
170	-1.036	-1.041	34.509	27.757	32.501	37.138	1.28	32.5	0.3	1.5	
180	-1.123	-1.128	34.500	27.753	32.500	37.140	-1.05	32.8	3.1	2.3	
190	-1.067	-1.072	34.510	27.759	32.504	37.142	1.34	32.2	4.6	-1.8	
200	-0.937	-0.943	34.526	27.767	32.508	37.142	1.50	31.5	2.5	-1.7	
210	-0.773	-0.779	34.552	27.781	32.517	37.146	2.04	30.2	0.3	-0.8	
220	-0.504	-0.511	34.558	27.775	32.502	37.123	-1.65	31.0	-0.2	-0.0	
230	-0.167	-0.175	34.589	27.783	32.501	37.112	1.43	30.3	-3.4	0.3	
240	0.033	0.024	34.600	27.782	32.493	37.098	-0.94	30.6	-3.5	1.9	
250	0.038	0.029	34.596	27.779	32.490	37.094	-1.05	30.9	-3.0	2.2	
260	0.092	0.082	34.613	27.789	32.499	37.102	1.80	30.0	-1.1	3.3	
270	0.176	0.165	34.610	27.783	32.489	37.090	-1.54	30.7	2.7	2.7	
280	0.237	0.226	34.619	27.786	32.491	37.090	1.03	30.4	3.7	1.8	
290	0.298	0.286	34.623	27.786	32.489	37.087	-0.47	30.4	4.4	0.6	
300	0.301	0.289	34.624	27.787	32.490	37.087	0.45	30.4	4.2	0.5	
325	0.398	0.385	34.633	27.789	32.489	37.083	0.33	30.3	6.6	-1.1	
350	0.420	0.405	34.638	27.791	32.491	37.085	0.57	30.1	3.1	-5.9	
375	0.472	0.456	34.643	27.793	32.490	37.083	0.25	30.1	-1.9	-5.4	
400	0.499	0.482	34.646	27.793	32.491	37.082	0.27	30.0	-1.0	0.6	
425	0.537	0.519	34.647	27.792	32.488	37.078	-0.48	30.2	0.3	2.2	
450	0.553	0.533	34.650	27.794	32.489	37.079	0.41	30.1	2.4	1.7	
475	0.577	0.556	34.655	27.796	32.491	37.080	0.54	29.9	3.5	-1.4	
500	0.571	0.549	34.655	27.797	32.492	37.081	0.26	29.9	4.1	-1.0	
550	0.587	0.562	34.660	27.800	32.495	37.084	0.43	29.7	3.0	-6.6	
600	0.572	0.545	34.660	27.801	32.496	37.086	0.29	29.7	-1.0	-2.1	
650	0.556	0.526	34.662	27.804	32.499	37.089	0.44	29.4	-0.5	-0.4	
700	0.526	0.494	34.660	27.804	32.501	37.092	0.25	29.4	3.4	-1.1	
750	0.497	0.462	34.660	27.806	32.503	37.095	0.40	29.2	1.9	-3.4	
800	0.469	0.432	34.660	27.808	32.506	37.099	0.39	29.1	1.9	-1.3	
850	0.433	0.394	34.662	27.812	32.511	37.105	0.55	28.7	2.9	-2.7	
900	0.408	0.366	34.661	27.812	32.513	37.107	0.31	28.6	0.9	-2.0	
950	0.381	0.336	34.659	27.812	32.514	37.109	0.24	28.5	0.2	-0.1	
1000	0.346	0.299	34.659	27.815	32.517	37.114	0.45	28.3	2.4	1.4	

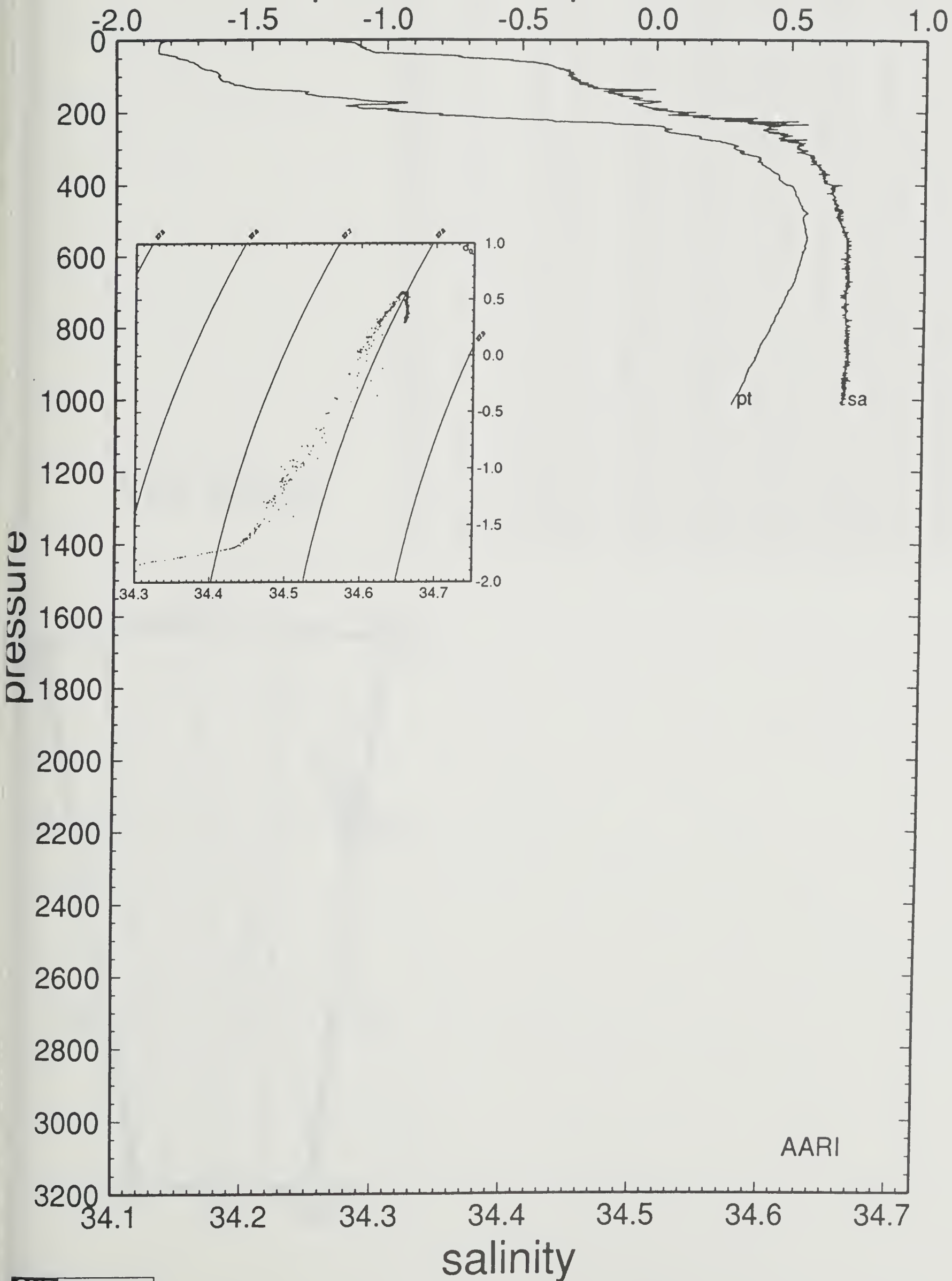
AARI 041





41 93/04/09 15:56 68 41.21 S 53 31.30 W

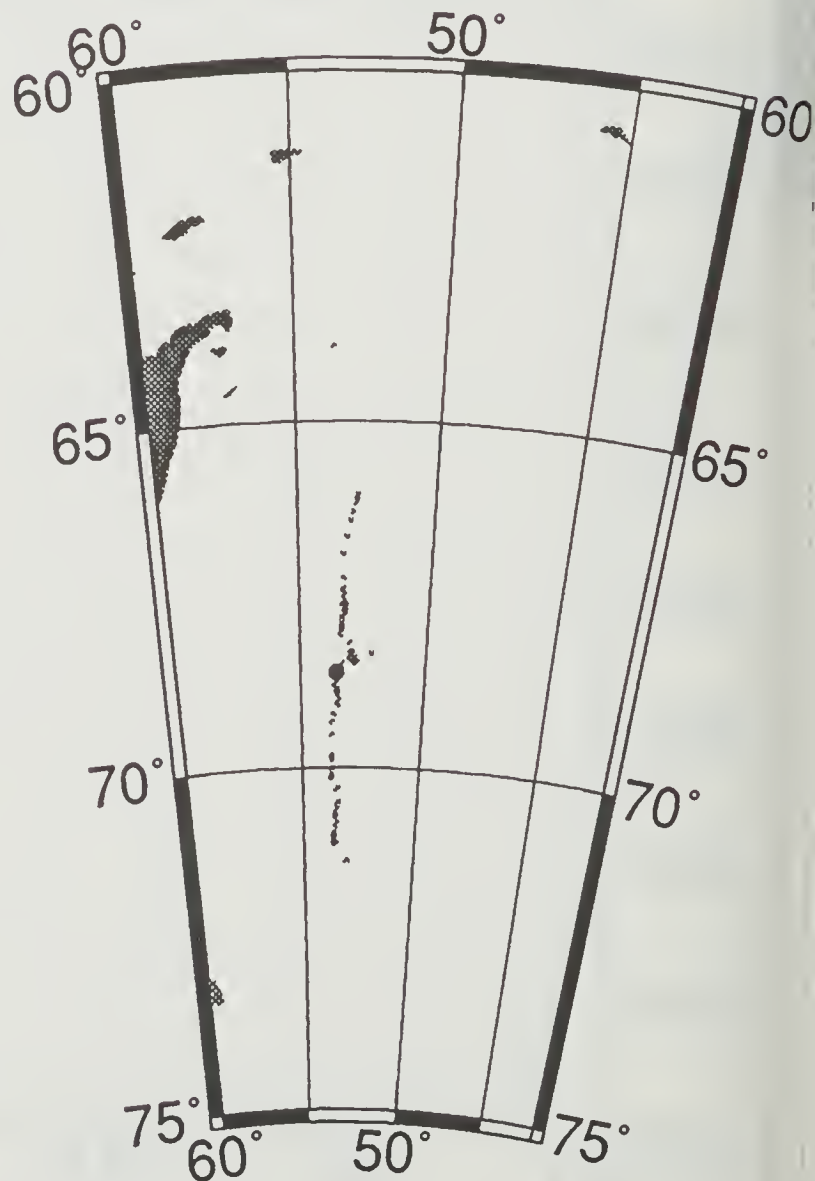
# potential temperature



AARI

ISW-1	-68.6178 S	-53.575 W	93/04/10	101	16:42	RUSS_CTD	# 42				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.825	-1.825	34.325	27.633	32.403	37.066	0.00	44.8	12.5	-5.7	
10	-1.844	-1.844	34.338	27.644	32.415	37.078	1.86	43.7	1.2	-12.2	
20	-1.843	-1.843	34.337	27.643	32.414	37.077	-0.51	43.7	-5.9	1.9	
30	-1.790	-1.791	34.415	27.705	32.474	37.135	4.40	37.8	1.5	-1.4	
40	-1.763	-1.764	34.445	27.729	32.496	37.156	2.72	35.5	1.6	-10.1	
50	-1.763	-1.764	34.448	27.731	32.499	37.158	0.87	35.2	-5.9	-8.2	
60	-1.756	-1.757	34.453	27.735	32.502	37.162	1.10	34.8	-5.7	-5.0	
70	-1.751	-1.752	34.457	27.738	32.505	37.165	0.99	34.4	-6.2	3.0	
80	-1.750	-1.752	34.463	27.743	32.510	37.169	1.23	33.9	-4.4	2.8	
90	-1.750	-1.752	34.456	27.737	32.504	37.164	-1.33	34.4	7.8	10.2	
100	-1.735	-1.737	34.464	27.744	32.510	37.169	1.37	33.8	14.7	2.1	
110	-1.734	-1.736	34.466	27.745	32.511	37.170	0.71	33.6	9.9	-7.4	
120	-1.718	-1.721	34.470	27.748	32.514	37.172	0.93	33.2	5.5	-9.0	
130	-1.706	-1.709	34.474	27.751	32.516	37.174	0.95	32.9	0.7	-9.3	
140	-1.657	-1.660	34.480	27.754	32.518	37.174	1.01	32.6	1.5	-7.9	
150	-1.599	-1.602	34.480	27.753	32.514	37.169	-0.79	32.7	-1.5	-5.5	
160	-1.510	-1.514	34.490	27.758	32.517	37.169	1.25	32.2	-1.3	-3.6	
170	-1.454	-1.458	34.504	27.768	32.525	37.175	1.70	31.2	0.5	-4.8	
180	-1.324	-1.329	34.492	27.754	32.507	37.153	-2.15	32.6	-0.4	-2.4	
190	-1.190	-1.195	34.528	27.778	32.527	37.169	2.72	30.3	-0.6	-1.0	
200	-1.054	-1.060	34.526	27.772	32.516	37.154	-1.53	31.0	1.1	0.1	
210	-0.878	-0.884	34.543	27.778	32.517	37.150	1.34	30.4	0.0	3.5	
220	-0.787	-0.794	34.547	27.778	32.514	37.144	-0.58	30.5	1.9	7.4	
230	-0.652	-0.659	34.566	27.788	32.520	37.145	1.65	29.6	5.0	9.4	
240	-0.481	-0.489	34.568	27.782	32.508	37.129	-1.50	30.3	8.1	8.0	
250	-0.363	-0.372	34.580	27.786	32.509	37.126	1.02	30.0	10.9	3.9	
260	-0.251	-0.260	34.595	27.793	32.512	37.126	1.35	29.4	10.8	1.7	
270	-0.139	-0.149	34.596	27.788	32.504	37.114	-1.33	29.9	7.7	-4.7	
280	-0.017	-0.027	34.608	27.791	32.504	37.110	0.87	29.7	1.8	-0.6	
290	0.061	0.050	34.615	27.793	32.503	37.107	0.52	29.6	-0.5	2.2	
300	0.095	0.083	34.617	27.793	32.502	37.105	-0.39	29.7	0.2	6.3	
325	0.179	0.166	34.628	27.797	32.504	37.104	0.67	29.3	13.8	5.8	
350	0.266	0.252	34.637	27.799	32.503	37.102	0.45	29.2	13.1	-11.1	
375	0.315	0.300	34.640	27.799	32.502	37.098	-0.32	29.3	5.9	-10.9	
400	0.378	0.361	34.646	27.800	32.501	37.096	0.27	29.2	4.4	-9.6	
425	0.425	0.407	34.651	27.802	32.501	37.095	0.32	29.2	6.2	-9.2	
450	0.449	0.430	34.654	27.803	32.502	37.094	0.31	29.1	6.0	-8.9	
475	0.477	0.456	34.659	27.805	32.503	37.095	0.51	29.0	6.1	-10.6	
500	0.489	0.467	34.660	27.806	32.503	37.095	0.04	29.0	4.4	-8.6	
550	0.524	0.500	34.667	27.809	32.506	37.096	0.45	28.7	6.0	-9.7	
600	0.532	0.505	34.668	27.810	32.506	37.097	0.15	28.8	5.8	-7.9	
650	0.560	0.530	34.673	27.812	32.508	37.098	0.36	28.6	7.9	-6.8	
700	0.557	0.525	34.674	27.813	32.509	37.099	0.28	28.6	7.0	-7.5	
750	0.531	0.496	34.675	27.816	32.512	37.103	0.44	28.4	6.5	-5.6	
800	0.505	0.468	34.674	27.817	32.514	37.106	0.31	28.3	11.7	-0.5	
850	0.478	0.438	34.675	27.819	32.518	37.110	0.45	28.0	11.5	-5.6	
900	0.450	0.408	34.674	27.820	32.519	37.113	0.33	27.9	10.3	-5.6	
950	0.412	0.367	34.673	27.822	32.522	37.117	0.41	27.7	9.9	-6.0	
1000	0.382	0.335	34.673	27.824	32.525	37.120	0.42	27.5	9.4	-4.5	

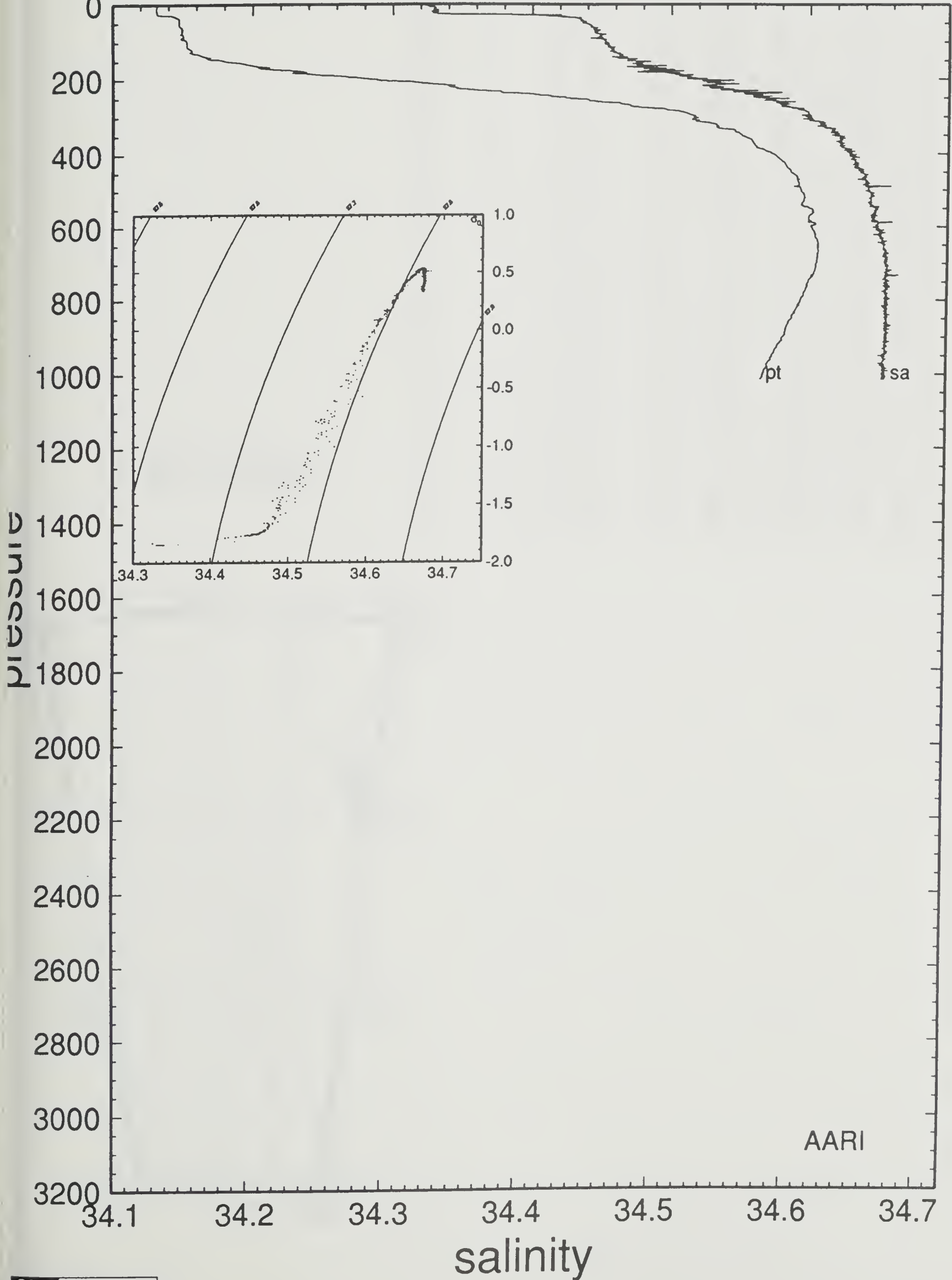
AARI 042



42 93/04/10 16:42 68 37.07 S 53 34.50 W

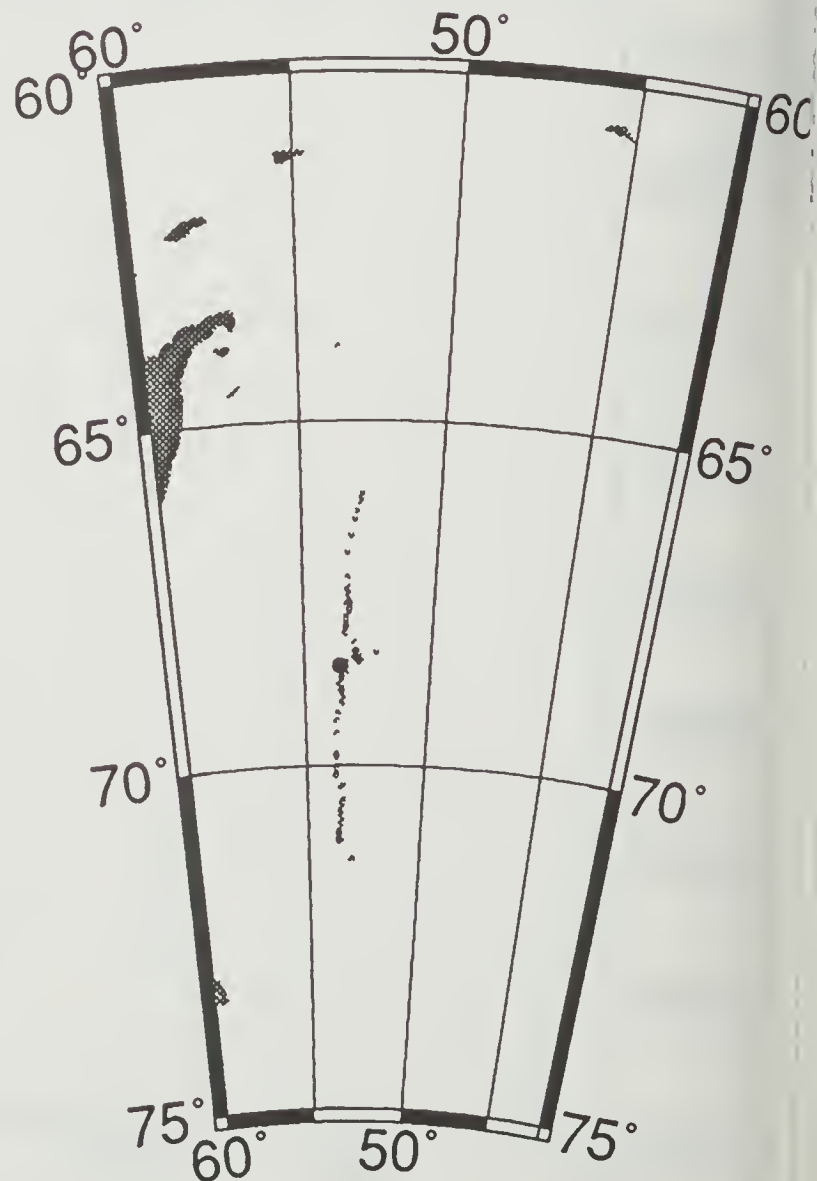
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-1	-68.536 S	-53.5862 W	93/04/11	102	15:28	RUSS CTD	# 43				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.783	-1.783	34.327	27.633	32.402	37.064	0.00	44.8	0.2	13.5	
10	-1.853	-1.853	34.335	27.642	32.413	37.076	1.62	43.9	-1.1	-0.1	
20	-1.856	-1.856	34.341	27.647	32.418	37.082	1.25	43.4	-2.7	1.2	
30	-1.852	-1.853	34.370	27.670	32.441	37.104	2.71	41.1	-2.3	2.1	
40	-1.850	-1.851	34.383	27.681	32.451	37.114	1.81	40.0	-0.7	3.7	
50	-1.849	-1.850	34.391	27.687	32.458	37.121	1.42	39.4	-1.6	1.2	
60	-1.777	-1.778	34.416	27.706	32.474	37.134	2.39	37.6	-4.3	-0.9	
70	-1.763	-1.764	34.433	27.719	32.486	37.147	2.05	36.2	-6.5	3.1	
80	-1.763	-1.765	34.438	27.723	32.491	37.151	1.13	35.8	-2.2	6.7	
90	-1.744	-1.746	34.443	27.727	32.493	37.153	1.05	35.4	4.6	4.0	
100	-1.724	-1.726	34.451	27.733	32.499	37.157	1.36	34.8	5.4	-1.0	
110	-1.700	-1.702	34.455	27.735	32.500	37.158	0.88	34.5	2.6	-2.7	
120	-1.684	-1.687	34.459	27.738	32.503	37.160	0.93	34.2	-1.8	-3.6	
130	-1.659	-1.662	34.465	27.742	32.506	37.163	1.13	33.8	-3.2	-4.4	
140	-1.642	-1.645	34.482	27.756	32.519	37.175	2.03	32.5	-4.9	-2.8	
150	-1.544	-1.547	34.477	27.749	32.509	37.162	-1.53	33.1	-7.2	-1.4	
160	-1.514	-1.518	34.481	27.751	32.510	37.162	0.83	32.8	-5.4	-1.8	
170	-1.460	-1.464	34.493	27.759	32.516	37.167	1.56	32.1	-5.3	-0.6	
180	-1.380	-1.384	34.500	27.762	32.517	37.165	0.91	31.8	-5.5	0.9	
190	-1.221	-1.226	34.515	27.769	32.519	37.161	1.35	31.2	-5.7	1.9	
200	-1.080	-1.086	34.523	27.770	32.515	37.154	0.39	31.1	-5.1	3.2	
210	-0.897	-0.903	34.550	27.785	32.524	37.157	2.06	29.8	-5.1	2.7	
220	-0.730	-0.737	34.546	27.775	32.509	37.137	-1.87	30.8	-4.9	1.6	
230	-0.583	-0.590	34.559	27.779	32.509	37.132	0.99	30.5	-5.2	1.4	
240	-0.404	-0.412	34.576	27.785	32.509	37.127	1.16	30.1	-5.7	0.8	
250	-0.257	-0.266	34.587	27.786	32.506	37.120	0.48	30.0	-5.9	0.5	
260	-0.177	-0.186	34.601	27.794	32.511	37.122	1.45	29.3	-6.2	-0.5	
270	-0.058	-0.068	34.617	27.801	32.514	37.122	1.36	28.8	-6.3	-1.2	
280	0.022	0.011	34.618	27.797	32.509	37.114	-1.12	29.2	-6.3	1.4	
290	0.130	0.119	34.626	27.798	32.506	37.108	-0.28	29.2	-5.6	0.6	
300	0.194	0.182	34.631	27.799	32.505	37.105	-0.07	29.2	-5.8	1.1	
325	0.198	0.185	34.630	27.798	32.504	37.104	-0.35	29.3	-3.9	4.7	
350	0.362	0.348	34.650	27.805	32.506	37.101	0.81	28.8	-2.5	5.4	
375	0.375	0.359	34.648	27.802	32.503	37.098	-0.55	29.0	-1.1	2.3	
400	0.357	0.340	34.648	27.803	32.505	37.100	0.41	28.9	-2.3	5.6	
425	0.404	0.386	34.653	27.805	32.505	37.099	0.32	28.9	3.3	2.7	
450	0.454	0.435	34.663	27.810	32.508	37.101	0.75	28.5	2.3	-0.5	
475	0.474	0.453	34.663	27.809	32.507	37.099	-0.41	28.6	3.2	-3.3	
500	0.493	0.471	34.669	27.813	32.510	37.101	0.66	28.3	0.8	-2.2	
550	0.521	0.497	34.669	27.811	32.508	37.098	-0.35	28.6	0.9	-1.6	
600	0.536	0.509	34.673	27.814	32.510	37.100	0.37	28.4	-0.2	-0.6	
650	0.549	0.519	34.676	27.815	32.511	37.101	0.31	28.3	1.6	-1.4	
700	0.545	0.513	34.676	27.816	32.512	37.102	0.18	28.3	2.1	-0.4	
750	0.531	0.496	34.678	27.818	32.515	37.106	0.43	28.1	3.1	-0.9	
800	0.504	0.467	34.677	27.819	32.517	37.108	0.32	28.0	1.8	0.6	
850	0.472	0.432	34.677	27.821	32.520	37.112	0.42	27.8	0.1	-0.2	
900	0.445	0.403	34.677	27.823	32.522	37.116	0.39	27.7	-1.1	1.3	
950	0.414	0.369	34.675	27.823	32.524	37.118	0.28	27.6	1.9	0.1	
1000	0.386	0.339	34.673	27.824	32.525	37.120	0.26	27.5	1.1	0.7	

AARI 043



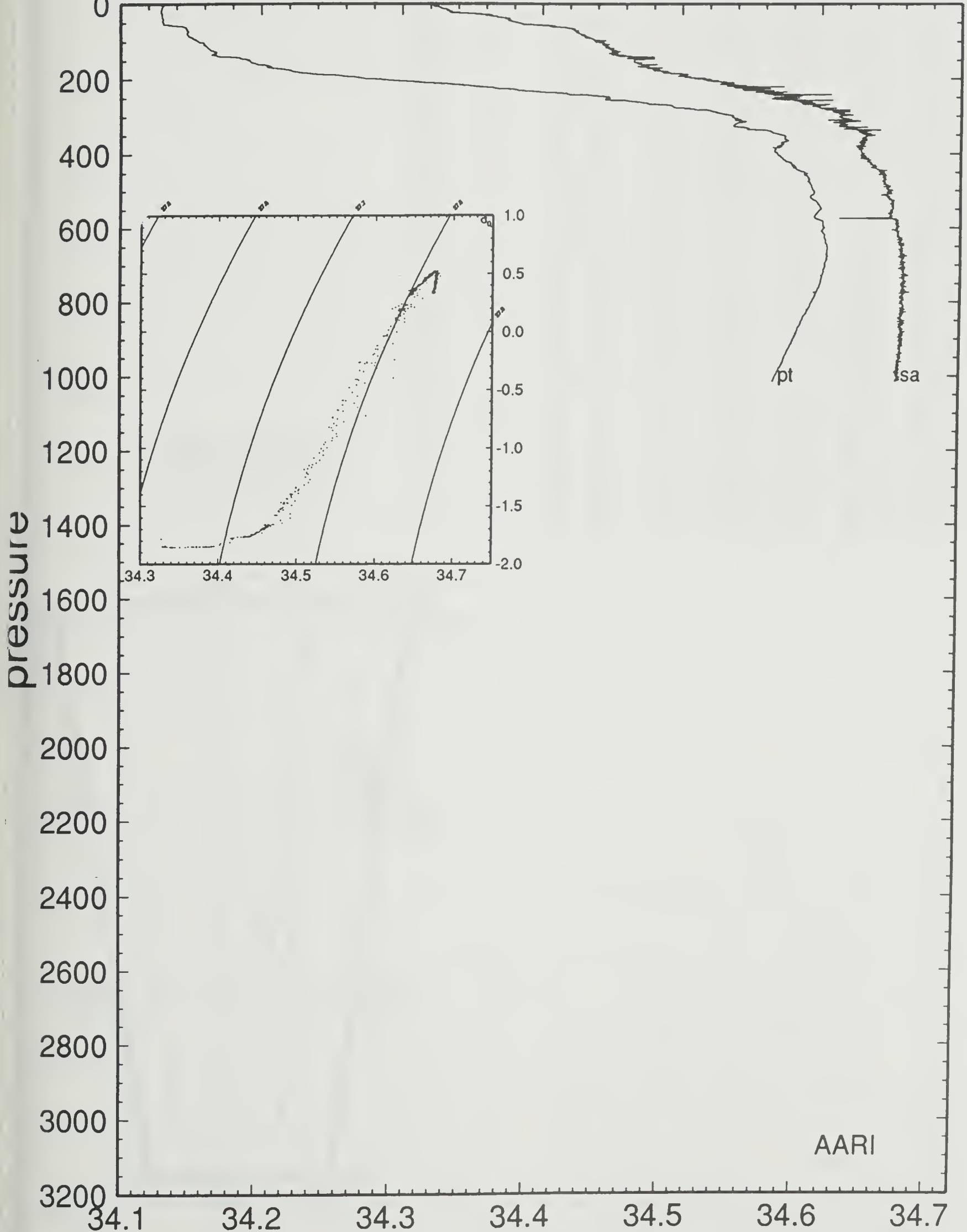
43

93/04/11 15:28

68 32.16 S 53 35.17 W

# potential temperature

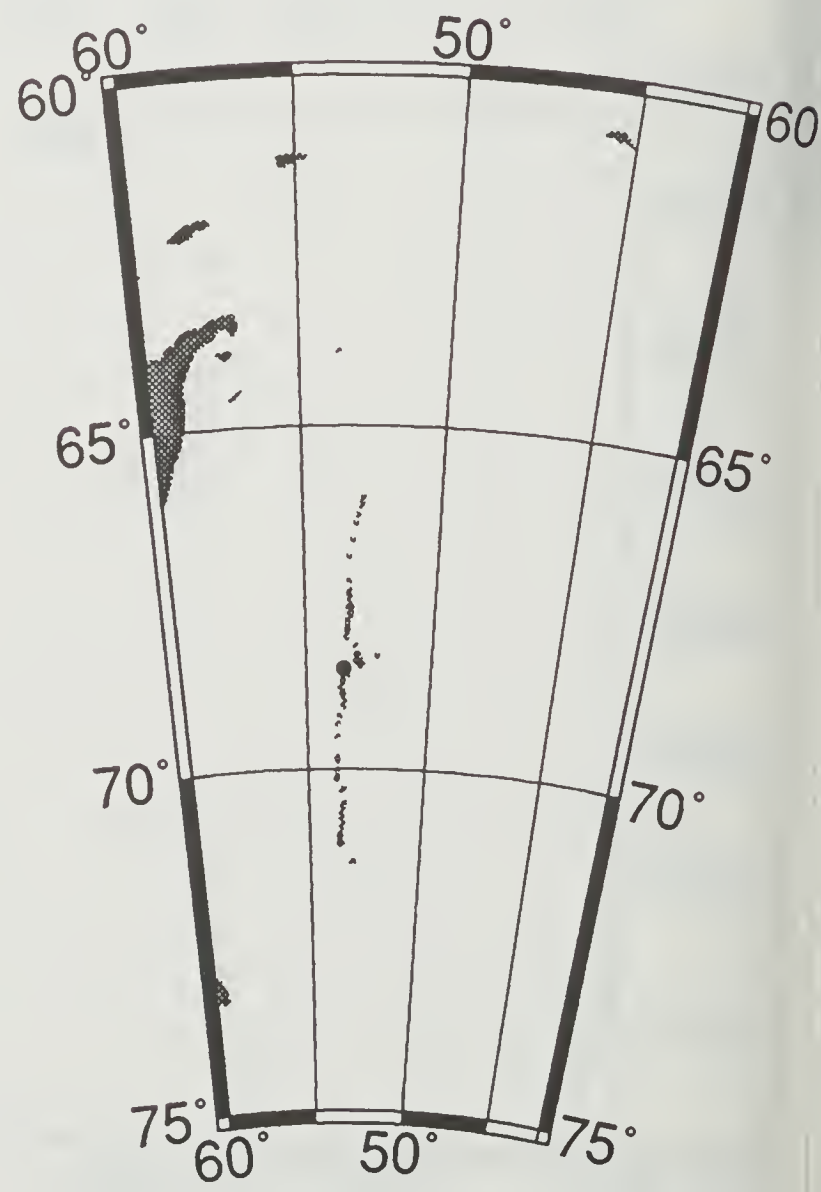
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI

ISW-1	-68.5167 S	-53.4737 W	93/04/12	103	14:36	RUSS_CTD # 44					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.822	-1.822	34.399	27.693	32.463	37.125	0.00	39.1	-4.3	5.3	
10	-1.847	-1.847	34.400	27.694	32.465	37.128	0.68	38.9	-1.4	4.4	
20	-1.845	-1.845	34.401	27.695	32.465	37.128	0.49	38.8	0.4	3.6	
30	-1.837	-1.838	34.418	27.709	32.479	37.141	2.06	37.4	-0.9	-0.5	
40	-1.820	-1.821	34.439	27.726	32.495	37.156	2.28	35.8	-3.4	-3.8	
50	-1.751	-1.752	34.463	27.743	32.510	37.169	2.34	34.1	-3.9	-1.4	
60	-1.745	-1.746	34.474	27.752	32.518	37.177	1.66	33.2	-5.1	1.1	
70	-1.751	-1.752	34.474	27.752	32.519	37.178	0.24	33.1	-1.6	1.3	
80	-1.752	-1.754	34.478	27.755	32.522	37.181	1.01	32.8	-0.3	-2.3	
90	-1.750	-1.752	34.477	27.755	32.521	37.180	-0.52	32.8	-2.9	-5.9	
100	-1.748	-1.750	34.477	27.754	32.521	37.180	-0.13	32.7	-8.0	-4.8	
110	-1.732	-1.734	34.480	27.756	32.522	37.181	0.78	32.5	-7.3	1.7	
120	-1.708	-1.711	34.480	27.756	32.521	37.179	-0.49	32.5	-3.0	3.0	
130	-1.669	-1.672	34.488	27.761	32.525	37.182	1.28	32.0	-1.1	5.3	
140	-1.584	-1.587	34.495	27.764	32.526	37.180	0.94	31.6	1.2	2.5	
150	-1.539	-1.542	34.499	27.766	32.526	37.179	0.72	31.4	1.2	3.3	
160	-1.485	-1.489	34.503	27.768	32.526	37.177	0.64	31.3	1.3	1.1	
170	-1.383	-1.387	34.511	27.771	32.526	37.174	0.91	31.0	1.1	-0.1	
180	-1.260	-1.265	34.526	27.779	32.530	37.174	1.51	30.2	0.9	0.1	
190	-1.028	-1.033	34.544	27.785	32.529	37.165	1.22	29.7	-0.5	-1.7	
200	-0.862	-0.868	34.559	27.791	32.529	37.161	1.20	29.3	-0.4	-1.0	
210	-0.717	-0.723	34.582	27.803	32.537	37.164	1.91	28.2	-0.3	-2.3	
220	-0.599	-0.606	34.579	27.796	32.526	37.150	-1.61	28.9	-1.1	-2.7	
230	-0.433	-0.441	34.592	27.799	32.524	37.143	0.76	28.7	0.1	-2.9	
240	-0.311	-0.319	34.604	27.803	32.524	37.139	0.97	28.4	0.5	-3.7	
250	-0.221	-0.230	34.610	27.803	32.522	37.134	-0.26	28.4	-2.9	-4.1	
260	-0.134	-0.143	34.618	27.805	32.521	37.131	0.67	28.3	-0.6	-3.8	
270	-0.053	-0.063	34.636	27.816	32.529	37.136	1.74	27.4	-1.0	-5.6	
280	-0.019	-0.030	34.637	27.815	32.527	37.133	-0.62	27.5	-3.6	-4.6	
290	0.082	0.071	34.639	27.811	32.520	37.124	-1.20	27.9	-5.6	-3.8	
300	0.127	0.115	34.640	27.809	32.517	37.119	-0.79	28.1	-8.6	0.5	
325	0.251	0.238	34.650	27.811	32.515	37.113	0.12	28.1	-6.7	-0.5	
350	0.302	0.288	34.653	27.810	32.513	37.110	-0.34	28.2	-9.3	-0.7	
375	0.339	0.323	34.658	27.812	32.514	37.110	0.45	28.1	-5.5	6.9	
400	0.379	0.362	34.666	27.817	32.517	37.112	0.68	27.7	-1.7	2.2	
425	0.432	0.414	34.668	27.815	32.514	37.107	-0.50	27.9	2.1	3.7	
450	0.460	0.441	34.673	27.818	32.516	37.108	0.51	27.8	1.4	-2.1	
475	0.486	0.465	34.677	27.819	32.517	37.108	0.42	27.7	-2.7	-4.3	
500	0.510	0.488	34.681	27.821	32.518	37.109	0.44	27.5	-6.8	0.6	
550	0.546	0.521	34.686	27.823	32.519	37.109	0.31	27.5	-5.0	-0.7	
600	0.571	0.544	34.686	27.822	32.517	37.106	-0.33	27.7	-6.5	3.1	
650	0.557	0.527	34.688	27.825	32.520	37.110	0.43	27.5	-2.7	4.5	
700	0.539	0.507	34.689	27.827	32.523	37.113	0.39	27.3	2.8	1.7	
750	0.513	0.478	34.690	27.829	32.526	37.117	0.44	27.1	-5.0	-3.1	
800	0.482	0.445	34.688	27.829	32.527	37.119	0.27	27.0	-7.8	6.6	
850	0.451	0.411	34.688	27.831	32.530	37.123	0.42	26.8	-1.4	0.2	
900	0.425	0.383	34.687	27.832	32.532	37.126	0.32	26.7	-6.1	3.0	
950	0.400	0.355	34.687	27.834	32.534	37.129	0.38	26.6	-3.4	1.8	
1000	0.371	0.324	34.686	27.835	32.536	37.132	0.35	26.4	0.7	4.5	

AARI 044



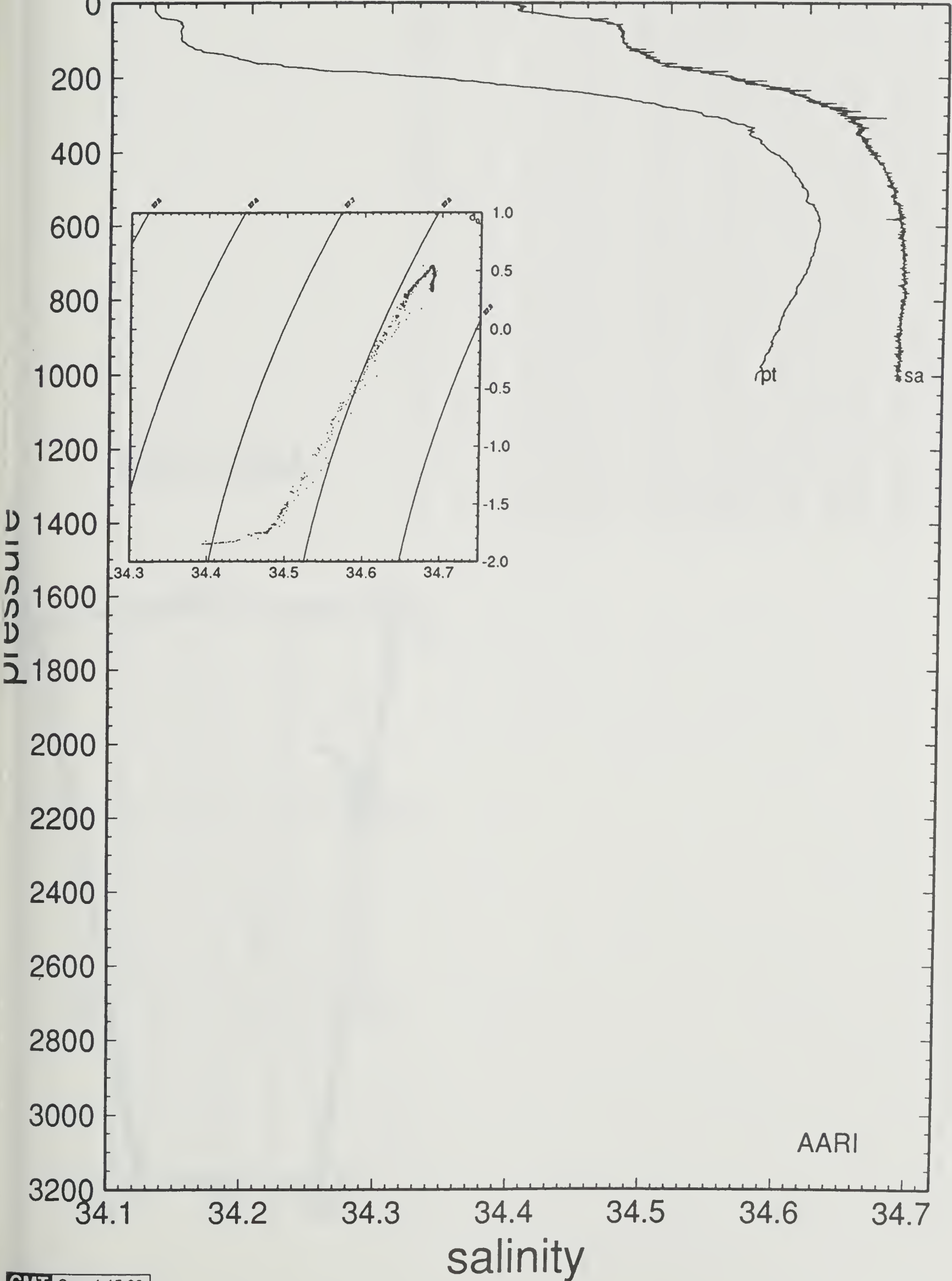
44

93/04/12 14:36

68 31.00 S 53 28.42 W

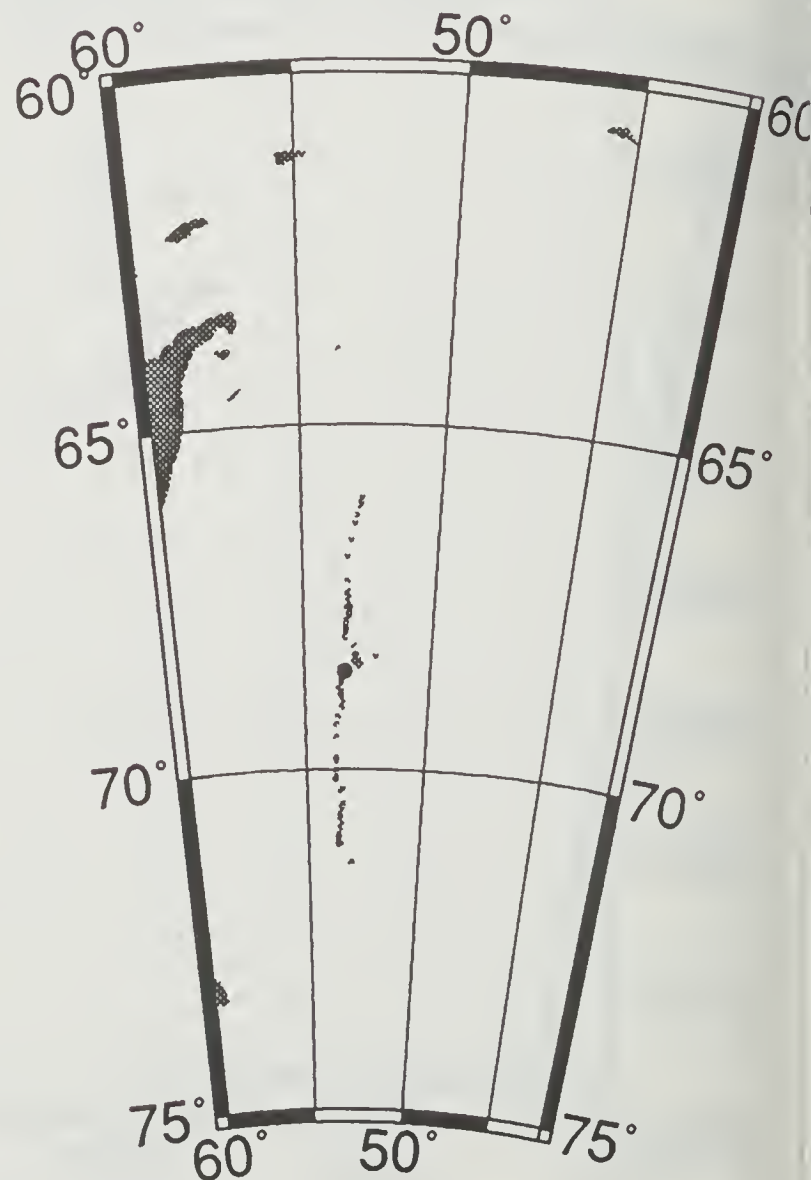
# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



ISW-1	-68.5542 S	-53.3837 W	93/04/13	104	16:00	RUSS CTD # 45					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.842	-1.842	34.396	27.691	32.461	37.124	0.00	39.3	-12.8	-2.4	
10	-1.859	-1.859	34.391	27.687	32.458	37.122	-1.06	39.6	-12.5	2.1	
20	-1.860	-1.860	34.397	27.692	32.463	37.126	1.24	39.1	-5.6	5.4	
30	-1.852	-1.853	34.400	27.695	32.465	37.128	0.84	38.8	-1.1	4.9	
40	-1.818	-1.819	34.435	27.722	32.491	37.153	2.94	36.1	2.7	1.6	
50	-1.777	-1.778	34.462	27.743	32.511	37.171	2.55	34.1	2.1	-3.4	
60	-1.768	-1.769	34.470	27.749	32.517	37.176	1.40	33.4	-1.8	-7.3	
70	-1.763	-1.764	34.477	27.755	32.522	37.182	1.32	32.9	-9.2	-5.4	
80	-1.759	-1.761	34.480	27.757	32.524	37.184	0.85	32.6	-4.7	-0.1	
90	-1.740	-1.742	34.485	27.761	32.527	37.186	1.04	32.2	-2.4	-0.2	
100	-1.728	-1.730	34.487	27.762	32.528	37.186	0.63	32.0	-1.6	-4.5	
110	-1.715	-1.717	34.489	27.763	32.529	37.187	0.62	31.9	-6.8	-6.8	
120	-1.681	-1.684	34.491	27.764	32.528	37.185	0.41	31.7	-10.8	-0.8	
130	-1.660	-1.663	34.497	27.768	32.532	37.188	1.14	31.3	-9.1	4.4	
140	-1.544	-1.547	34.503	27.770	32.530	37.182	0.53	31.2	-3.1	4.3	
150	-1.551	-1.554	34.501	27.768	32.528	37.181	-0.65	31.2	-2.5	4.8	
160	-1.559	-1.563	34.496	27.764	32.525	37.178	-1.08	31.5	-0.4	3.2	
170	-1.428	-1.432	34.513	27.774	32.530	37.179	1.68	30.6	0.5	1.4	
180	-1.328	-1.333	34.517	27.774	32.527	37.173	-0.44	30.7	0.2	0.3	
190	-1.328	-1.333	34.529	27.784	32.537	37.183	1.74	29.7	-0.4	-2.6	
200	-1.183	-1.188	34.539	27.787	32.535	37.177	0.82	29.5	-1.2	-6.0	
210	-0.911	-0.917	34.586	27.815	32.554	37.187	2.85	27.0	-2.7	-6.7	
220	-0.768	-0.775	34.573	27.798	32.534	37.162	-2.33	28.6	-6.0	-5.6	
230	-0.616	-0.623	34.589	27.805	32.535	37.159	1.29	28.0	-7.6	-3.5	
240	-0.435	-0.443	34.601	27.806	32.531	37.150	0.25	28.0	-5.6	-2.0	
250	-0.342	-0.351	34.607	27.807	32.529	37.145	-0.27	28.0	-2.8	-1.8	
260	-0.212	-0.221	34.617	27.808	32.527	37.139	0.48	27.9	-1.6	-3.0	
270	-0.123	-0.133	34.627	27.812	32.528	37.137	0.95	27.7	-3.1	-4.6	
280	-0.060	-0.070	34.632	27.813	32.526	37.134	0.30	27.6	-8.5	-7.2	
290	0.044	0.033	34.640	27.814	32.524	37.129	0.19	27.6	-13.1	-1.4	
300	0.116	0.104	34.653	27.821	32.529	37.131	1.37	27.0	-13.2	3.0	
325	0.253	0.240	34.659	27.818	32.522	37.120	-0.70	27.4	-4.9	7.3	
350	0.311	0.297	34.665	27.820	32.522	37.119	0.36	27.3	-1.8	5.1	
375	0.329	0.313	34.667	27.820	32.522	37.118	0.24	27.3	0.4	2.3	
400	0.365	0.348	34.674	27.824	32.525	37.120	0.63	27.0	0.5	0.4	
425	0.407	0.389	34.674	27.821	32.521	37.115	-0.60	27.3	-4.0	-3.6	
450	0.438	0.419	34.680	27.825	32.523	37.116	0.58	27.1	-5.3	-2.2	
475	0.470	0.449	34.685	27.827	32.525	37.117	0.47	26.9	-3.9	-2.4	
500	0.491	0.469	34.686	27.826	32.524	37.115	-0.28	27.0	-7.5	-4.3	
550	0.523	0.498	34.689	27.827	32.523	37.114	0.11	27.1	-6.0	-3.6	
600	0.543	0.516	34.694	27.830	32.526	37.116	0.41	26.9	-3.2	-3.0	
650	0.547	0.517	34.696	27.832	32.527	37.117	0.30	26.8	-3.3	2.1	
700	0.553	0.521	34.696	27.831	32.527	37.117	-0.13	26.9	-3.7	2.3	
750	0.531	0.496	34.698	27.834	32.531	37.121	0.47	26.6	-3.1	0.0	
800	0.487	0.450	34.694	27.834	32.532	37.124	0.20	26.6	-2.5	-0.8	
850	0.463	0.423	34.695	27.836	32.535	37.128	0.43	26.4	-3.5	-3.1	
900	0.420	0.378	34.693	27.837	32.537	37.131	0.37	26.3	-6.7	-5.8	
950	0.400	0.355	34.696	27.841	32.542	37.136	0.52	25.9	-7.5	1.4	
1000	0.369	0.322	34.695	27.842	32.544	37.139	0.36	25.8	-2.6	-1.2	

AARI 045

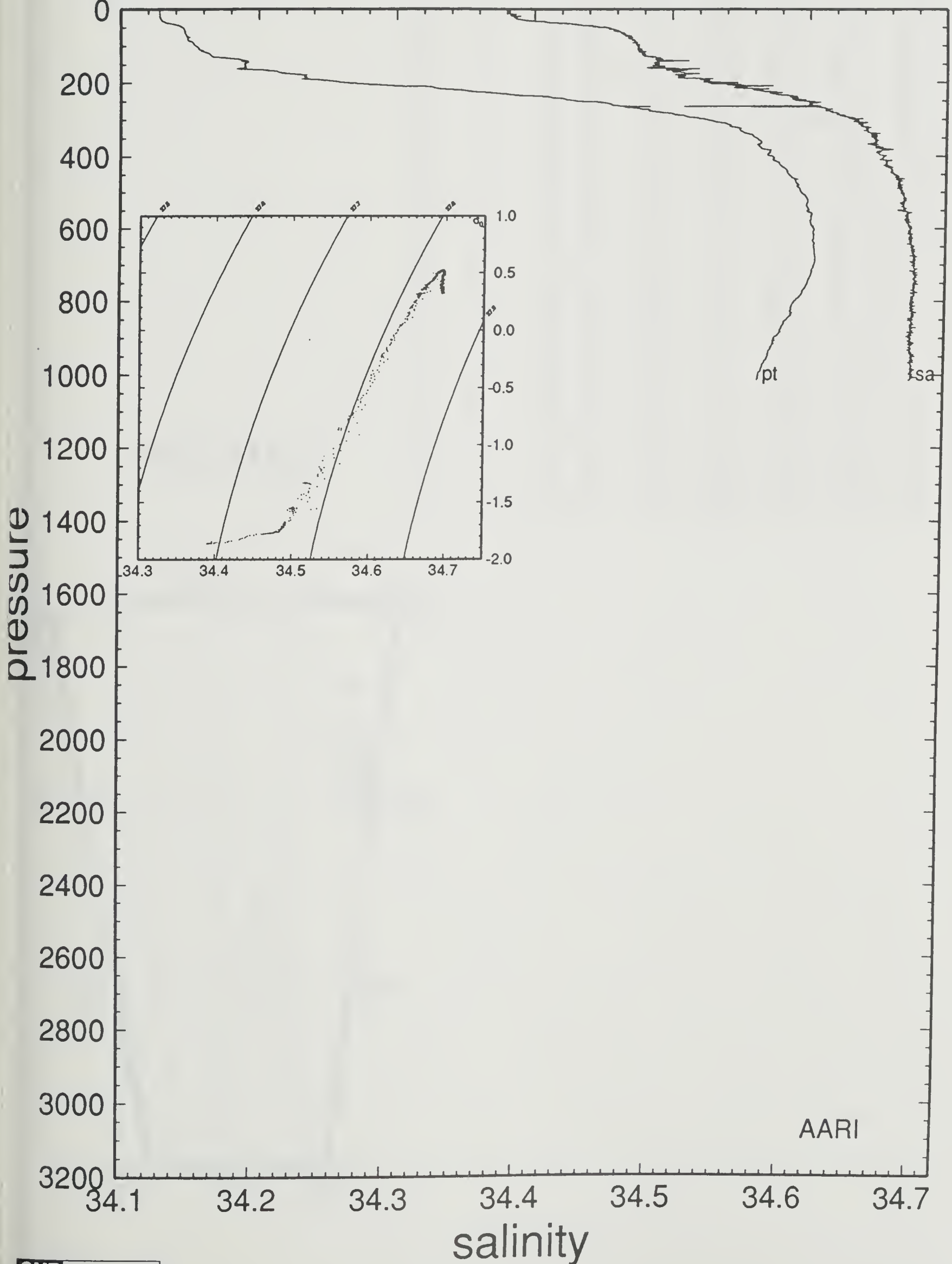




45 93/04/13 16:00 68 33.25 S 53 23.02 W

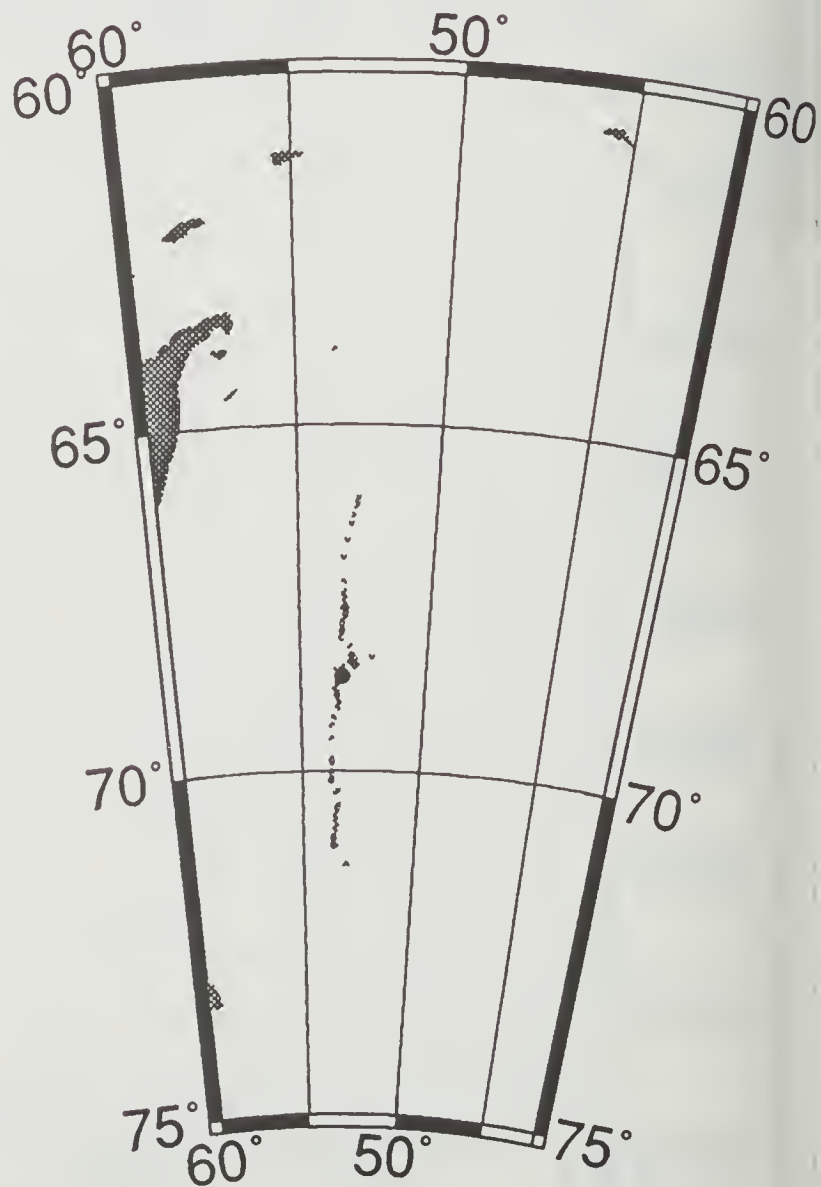
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



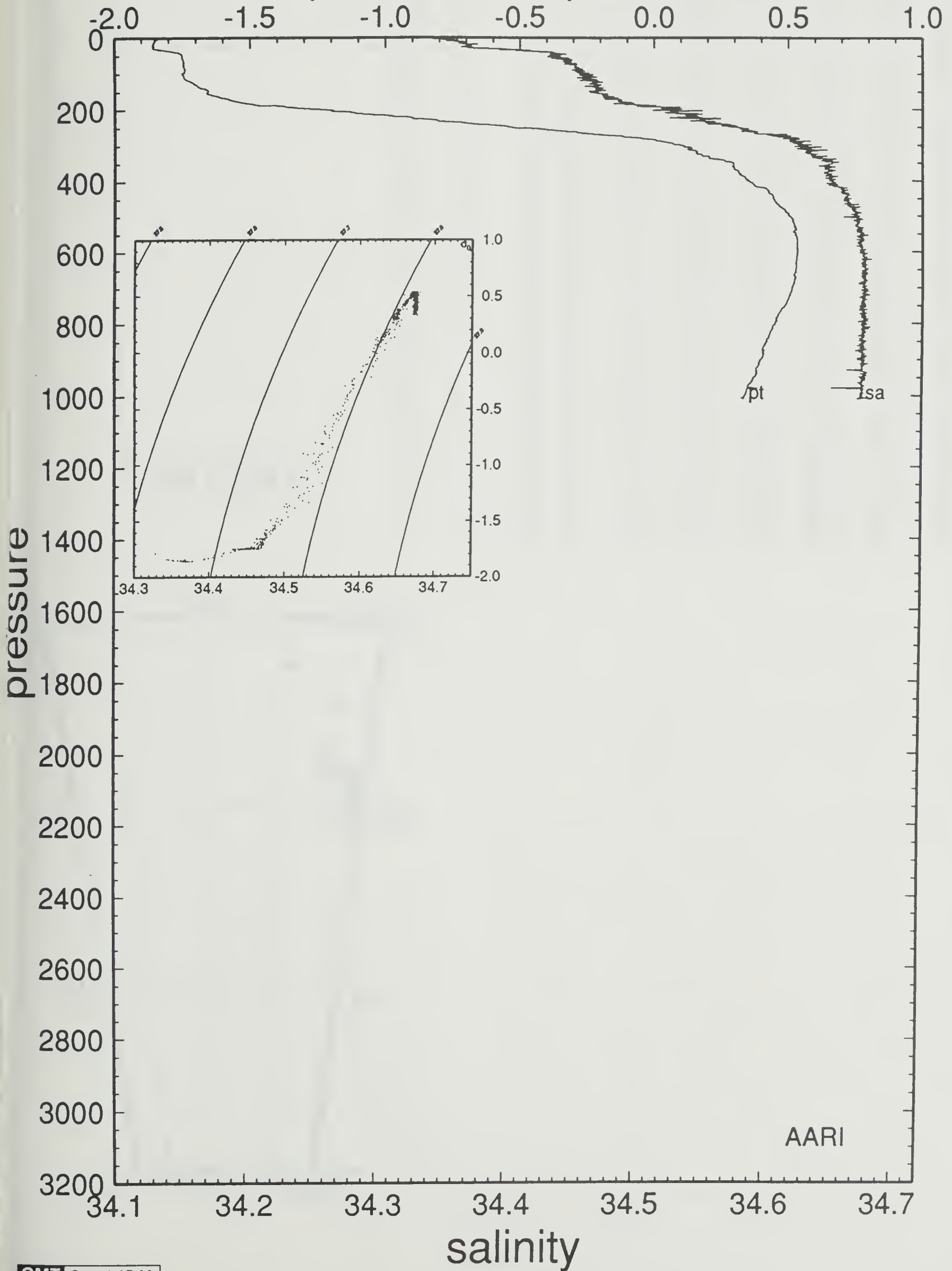
ISW-1	-68.6222 S	-53.325 W	93/04/14	105	16:02	RUSS_CTD	# 46				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.788	-1.788	34.329	27.635	32.404	37.066	0.00	44.6	-1.1	2.3	
10	-1.851	-1.851	34.354	27.657	32.428	37.091	2.63	42.5	1.3	0.2	
20	-1.859	-1.859	34.371	27.671	32.442	37.106	2.10	41.1	-0.4	-0.5	
30	-1.857	-1.858	34.375	27.674	32.445	37.109	1.00	40.7	-1.0	-0.8	
40	-1.774	-1.775	34.431	27.718	32.485	37.146	3.68	36.5	-1.6	-0.7	
50	-1.750	-1.751	34.433	27.719	32.486	37.145	0.54	36.4	1.4	3.2	
60	-1.747	-1.748	34.439	27.724	32.490	37.150	1.22	35.9	6.3	1.3	
70	-1.744	-1.745	34.445	27.728	32.495	37.154	1.22	35.4	6.6	-1.5	
80	-1.743	-1.745	34.453	27.735	32.501	37.161	1.42	34.7	5.3	-2.3	
90	-1.739	-1.741	34.452	27.734	32.500	37.160	-0.54	34.7	1.5	-3.0	
100	-1.748	-1.750	34.463	27.743	32.510	37.169	1.70	33.8	2.1	-0.2	
110	-1.742	-1.744	34.467	27.746	32.513	37.172	0.98	33.5	4.3	-1.5	
120	-1.722	-1.725	34.460	27.740	32.506	37.164	-1.41	34.0	4.2	-2.4	
130	-1.698	-1.701	34.471	27.748	32.513	37.171	1.60	33.2	2.1	-3.5	
140	-1.677	-1.680	34.468	27.745	32.510	37.167	-0.99	33.4	-0.2	-1.7	
150	-1.653	-1.656	34.467	27.744	32.507	37.164	-0.71	33.5	0.5	4.2	
160	-1.631	-1.635	34.476	27.750	32.513	37.169	1.43	32.8	4.1	1.6	
170	-1.576	-1.580	34.479	27.751	32.512	37.166	0.40	32.7	4.5	1.1	
180	-1.528	-1.532	34.491	27.759	32.519	37.171	1.58	31.9	3.1	-1.0	
190	-1.377	-1.382	34.512	27.772	32.526	37.174	1.88	30.8	2.7	-0.5	
200	-1.225	-1.230	34.533	27.783	32.533	37.176	1.84	29.8	-0.7	-0.6	
210	-1.104	-1.110	34.522	27.770	32.516	37.156	-2.10	31.0	-0.4	-0.8	
220	-0.932	-0.938	34.545	27.782	32.523	37.157	1.84	30.0	-0.3	0.5	
230	-0.803	-0.810	34.551	27.782	32.519	37.149	-0.63	30.1	1.3	2.3	
240	-0.669	-0.677	34.564	27.787	32.519	37.145	1.10	29.7	1.2	-1.1	
250	-0.523	-0.531	34.571	27.786	32.514	37.136	-0.77	29.8	-0.2	-0.9	
260	-0.344	-0.353	34.587	27.791	32.513	37.129	1.00	29.5	-2.5	0.2	
270	-0.221	-0.231	34.593	27.789	32.508	37.121	-0.81	29.7	-3.7	5.1	
280	-0.071	-0.081	34.619	27.803	32.517	37.125	1.95	28.5	-0.9	6.9	
290	0.028	0.017	34.628	27.805	32.516	37.121	0.63	28.4	3.6	4.1	
300	0.096	0.084	34.631	27.804	32.513	37.116	-0.75	28.6	5.0	3.4	
325	0.169	0.156	34.632	27.801	32.508	37.109	-0.69	29.0	1.4	-3.0	
350	0.305	0.291	34.651	27.809	32.511	37.108	0.89	28.4	-2.6	-2.7	
375	0.328	0.313	34.649	27.806	32.508	37.104	-0.62	28.7	-3.5	-0.7	
400	0.366	0.349	34.648	27.803	32.504	37.099	-0.65	29.0	-1.8	2.1	
425	0.435	0.417	34.657	27.806	32.505	37.098	0.56	28.8	1.4	1.1	
450	0.461	0.442	34.660	27.807	32.505	37.098	0.28	28.7	1.3	-1.8	
475	0.488	0.467	34.669	27.813	32.510	37.102	0.82	28.3	-1.0	-2.2	
500	0.522	0.500	34.669	27.811	32.507	37.098	-0.55	28.5	-3.4	-2.4	
550	0.551	0.526	34.673	27.813	32.508	37.098	0.28	28.5	-2.9	1.1	
600	0.560	0.533	34.672	27.811	32.507	37.097	-0.28	28.7	3.8	-0.1	
650	0.558	0.528	34.676	27.815	32.510	37.100	0.47	28.4	-4.4	0.8	
700	0.545	0.513	34.674	27.814	32.510	37.100	-0.15	28.5	-2.7	1.9	
750	0.523	0.488	34.676	27.817	32.514	37.105	0.47	28.2	1.1	1.1	
800	0.488	0.451	34.674	27.818	32.516	37.108	0.30	28.1	-3.5	0.9	
850	0.459	0.419	34.676	27.821	32.520	37.113	0.51	27.8	2.6	2.4	
900	0.442	0.400	34.674	27.821	32.520	37.114	0.06	27.9	-1.4	3.9	
950	0.419	0.374	34.675	27.823	32.523	37.117	0.43	27.6	-5.1	0.5	
1000	0.387	0.340	34.674	27.824	32.525	37.121	0.37	27.5	-2.3	1.9	

AARI 046



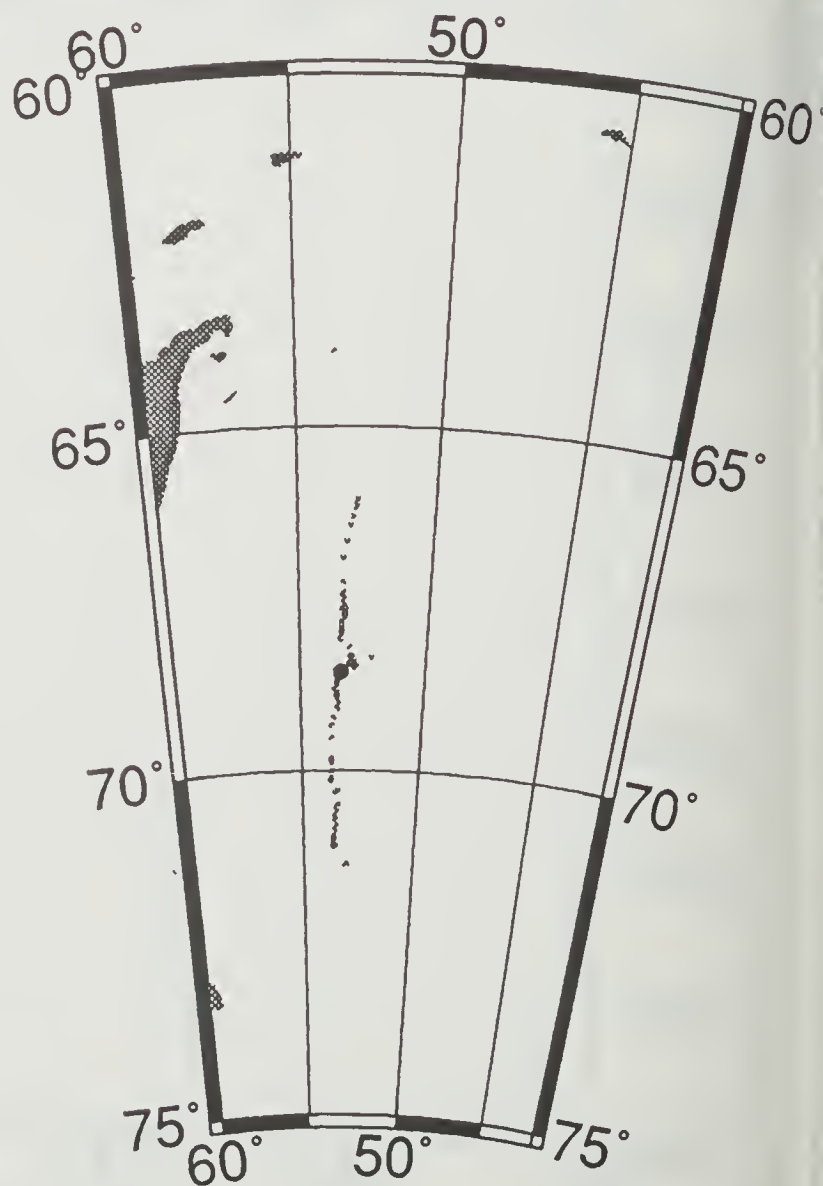
46 93/04/14 16:02 68 37.33 S 53 19.50 W

# potential temperature



ISW-1	-68.5527 S	-53.3377 W	93/04/15	106	15:41	RUSS CTD # 47				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.850	-1.850	34.399	27.694	32.464	37.127	0.00	39.1	7.8	-8.3
10	-1.852	-1.852	34.402	27.696	32.467	37.130	0.88	38.8	-4.7	-5.8
20	-1.854	-1.854	34.409	27.702	32.472	37.135	1.34	38.1	1.9	4.5
30	-1.854	-1.855	34.421	27.712	32.482	37.145	1.75	37.2	-1.3	-8.8
40	-1.829	-1.830	34.458	27.741	32.510	37.172	3.03	34.3	-5.7	-0.1
50	-1.790	-1.791	34.486	27.763	32.531	37.191	2.60	32.2	-2.5	3.8
60	-1.773	-1.774	34.494	27.769	32.536	37.196	1.37	31.6	4.3	4.2
70	-1.765	-1.766	34.494	27.769	32.536	37.195	-0.27	31.5	5.4	-4.2
80	-1.754	-1.756	34.495	27.769	32.536	37.195	0.39	31.4	-2.1	-4.6
90	-1.738	-1.740	34.496	27.770	32.536	37.194	0.32	31.4	-4.0	1.6
100	-1.718	-1.720	34.502	27.774	32.539	37.197	1.15	30.9	1.3	6.2
110	-1.710	-1.712	34.503	27.775	32.540	37.197	0.42	30.8	8.3	3.2
120	-1.674	-1.677	34.505	27.775	32.539	37.196	0.38	30.7	8.6	-3.6
130	-1.666	-1.669	34.509	27.778	32.542	37.198	0.97	30.4	3.2	-7.3
140	-1.627	-1.630	34.507	27.775	32.538	37.193	-0.96	30.6	0.4	-4.3
150	-1.571	-1.574	34.510	27.776	32.537	37.190	0.40	30.5	-1.6	-3.5
160	-1.598	-1.602	34.513	27.779	32.541	37.195	1.03	30.1	-2.0	0.1
170	-1.476	-1.480	34.545	27.802	32.559	37.209	2.60	28.0	-1.1	2.7
180	-1.329	-1.334	34.527	27.782	32.535	37.181	-2.52	29.9	4.1	4.1
190	-1.159	-1.164	34.547	27.792	32.540	37.181	1.70	29.0	8.0	1.3
200	-0.991	-0.997	34.546	27.785	32.528	37.163	-1.59	29.7	8.3	-1.7
210	-0.877	-0.883	34.549	27.783	32.522	37.154	-0.93	29.9	7.2	-7.0
220	-0.736	-0.743	34.560	27.786	32.521	37.149	0.82	29.7	-0.6	-9.5
230	-0.504	-0.512	34.584	27.796	32.523	37.144	1.54	29.0	-3.6	-4.5
240	-0.380	-0.388	34.591	27.796	32.519	37.136	-0.55	29.1	-3.5	0.3
250	-0.274	-0.283	34.598	27.796	32.516	37.130	-0.26	29.1	-0.3	3.5
260	-0.166	-0.175	34.605	27.796	32.513	37.124	-0.40	29.1	5.0	6.2
270	-0.082	-0.092	34.615	27.800	32.515	37.123	0.99	28.8	11.6	1.5
280	-0.008	-0.019	34.610	27.792	32.505	37.111	-1.63	29.6	9.3	-5.4
290	0.041	0.030	34.625	27.802	32.513	37.117	1.69	28.7	6.6	-7.3
300	0.100	0.088	34.631	27.804	32.513	37.115	0.61	28.6	5.5	-8.8
325	0.233	0.220	34.645	27.808	32.513	37.112	0.59	28.4	1.7	-8.9
350	0.286	0.272	34.647	27.806	32.510	37.107	-0.48	28.5	0.4	-7.4
375	0.338	0.322	34.654	27.809	32.511	37.107	0.52	28.3	-0.6	-6.5
400	0.405	0.388	34.658	27.809	32.508	37.102	-0.41	28.5	0.0	-5.1
425	0.475	0.457	34.666	27.811	32.509	37.101	0.44	28.4	1.0	-4.3
450	0.507	0.487	34.670	27.812	32.509	37.100	0.35	28.3	1.6	-4.4
475	0.529	0.508	34.672	27.813	32.509	37.099	0.10	28.3	1.9	-4.6
500	0.538	0.516	34.675	27.815	32.511	37.101	0.48	28.2	2.4	-4.0
550	0.551	0.526	34.677	27.816	32.511	37.101	0.23	28.2	3.2	-3.2
600	0.555	0.528	34.681	27.819	32.514	37.104	0.44	27.9	4.4	-2.7
650	0.564	0.534	34.684	27.821	32.516	37.106	0.34	27.8	5.1	-3.3
700	0.549	0.517	34.684	27.822	32.518	37.108	0.30	27.8	6.3	-3.5
750	0.521	0.486	34.685	27.825	32.521	37.112	0.45	27.5	5.2	-1.5
800	0.489	0.452	34.685	27.827	32.524	37.116	0.42	27.3	5.2	0.2
850	0.466	0.426	34.686	27.829	32.527	37.120	0.43	27.1	4.8	0.2
900	0.435	0.393	34.686	27.831	32.530	37.124	0.42	26.9	7.9	-0.7
950	0.405	0.360	34.684	27.831	32.532	37.126	0.27	26.8	5.7	1.4
1000	0.375	0.328	34.684	27.833	32.534	37.130	0.42	26.6	7.3	0.2

AARI 047

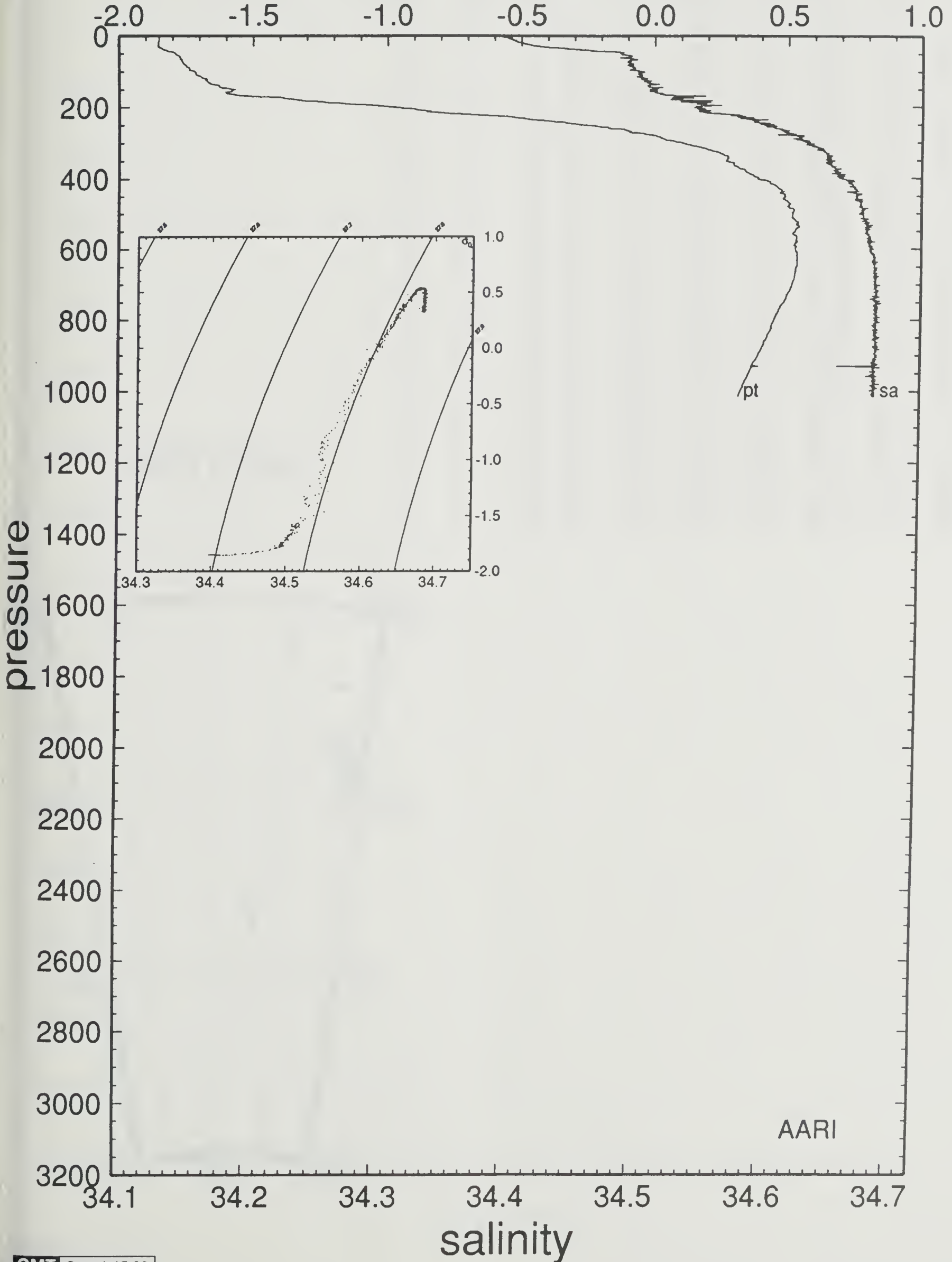


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93/04/15 15:41

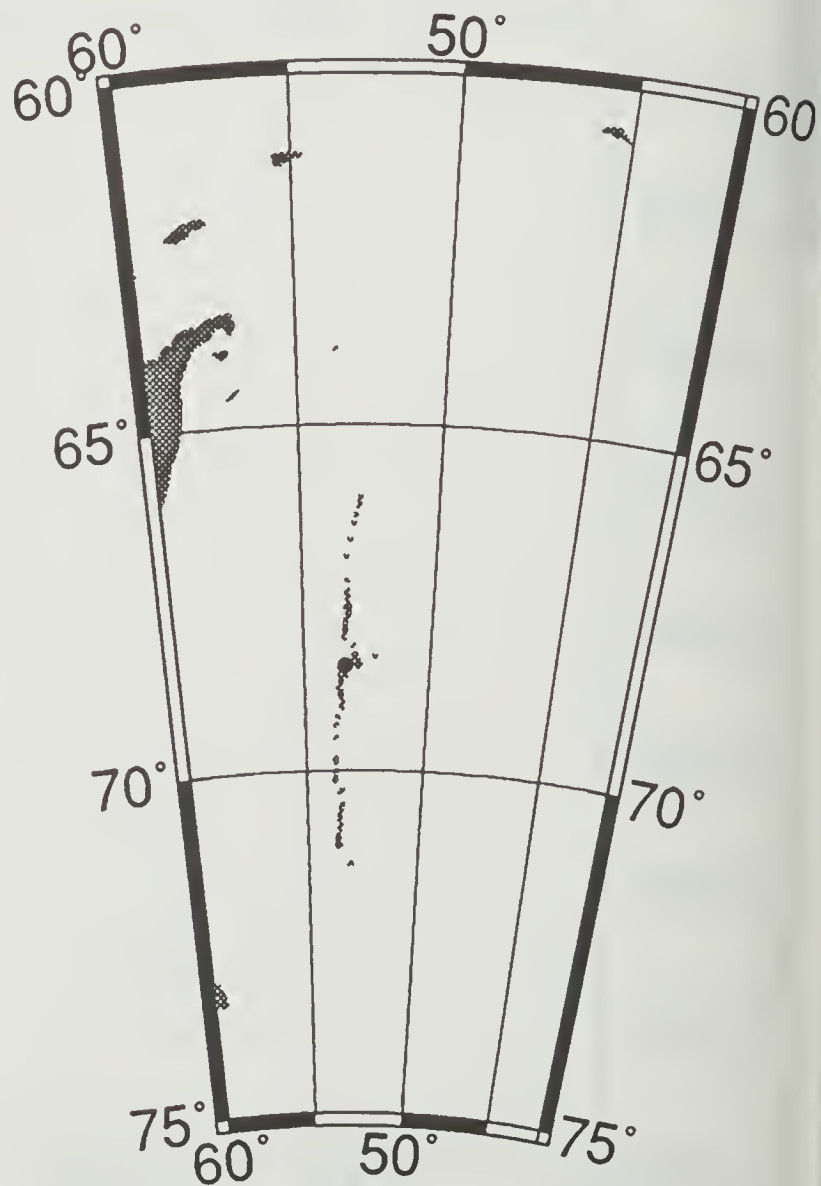
68 33.16 S 53 20.26 W

# potential temperature



ISW-1	-68.4758 S	-53.3515 W	93/04/16	107	15:25	RUSS CTD # 48					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.819	-1.819	34.409	27.701	32.470	37.132	0.00	38.4	8.1	-2.6	
10	-1.844	-1.844	34.405	27.698	32.469	37.131	-0.90	38.5	-0.7	-3.5	
20	-1.846	-1.846	34.408	27.701	32.471	37.134	0.88	38.2	0.5	-3.0	
30	-1.819	-1.820	34.421	27.711	32.480	37.142	1.75	37.3	-2.6	-4.6	
40	-1.798	-1.799	34.430	27.718	32.486	37.147	1.45	36.6	-5.6	2.4	
50	-1.780	-1.781	34.436	27.722	32.490	37.150	1.17	36.1	4.7	3.2	
60	-1.771	-1.772	34.442	27.727	32.494	37.154	1.20	35.6	2.4	-5.7	
70	-1.760	-1.761	34.444	27.728	32.495	37.155	0.64	35.4	-1.8	-5.2	
80	-1.750	-1.752	34.446	27.729	32.496	37.156	0.65	35.2	-4.2	-1.7	
90	-1.737	-1.739	34.448	27.731	32.497	37.156	0.62	35.1	-4.7	0.7	
100	-1.723	-1.725	34.451	27.733	32.499	37.157	0.79	34.8	-3.1	3.4	
110	-1.709	-1.711	34.451	27.732	32.498	37.156	-0.37	34.8	-1.0	3.4	
120	-1.686	-1.689	34.453	27.733	32.498	37.156	0.53	34.6	2.4	2.0	
130	-1.656	-1.659	34.456	27.735	32.499	37.155	0.68	34.5	3.6	-0.8	
140	-1.637	-1.640	34.456	27.734	32.498	37.154	-0.44	34.5	-0.5	-3.6	
150	-1.615	-1.618	34.463	27.739	32.502	37.157	1.24	33.9	-5.2	-1.1	
160	-1.568	-1.572	34.464	27.739	32.500	37.154	-0.51	34.0	-2.9	3.0	
170	-1.482	-1.486	34.475	27.745	32.503	37.154	1.35	33.4	2.2	5.2	
180	-1.372	-1.376	34.483	27.748	32.503	37.150	0.85	33.1	4.9	-0.8	
190	-1.361	-1.366	34.489	27.752	32.507	37.154	1.18	32.6	2.7	-2.0	
200	-1.073	-1.079	34.513	27.762	32.507	37.145	1.53	31.9	0.3	-2.6	
210	-0.926	-0.932	34.540	27.778	32.518	37.152	2.18	30.4	-1.3	-3.0	
220	-0.675	-0.682	34.544	27.771	32.504	37.130	-1.66	31.2	-2.2	-2.6	
230	-0.616	-0.623	34.548	27.771	32.502	37.127	0.29	31.2	-2.2	-3.1	
240	-0.488	-0.496	34.554	27.771	32.498	37.118	-0.75	31.3	-1.4	-4.2	
250	-0.364	-0.373	34.578	27.784	32.507	37.124	1.99	30.1	-1.6	-6.3	
260	-0.234	-0.243	34.585	27.784	32.503	37.116	-0.71	30.3	-3.1	-5.2	
270	-0.109	-0.119	34.600	27.790	32.505	37.114	1.23	29.8	-2.8	-5.8	
280	0.042	0.031	34.606	27.787	32.497	37.102	-1.15	30.2	-4.6	-5.1	
290	0.158	0.147	34.618	27.790	32.497	37.099	0.87	30.0	-2.2	-6.2	
300	0.214	0.202	34.620	27.789	32.494	37.094	-0.78	30.1	-2.6	-5.8	
325	0.292	0.279	34.629	27.791	32.495	37.092	0.53	29.9	-3.2	-5.9	
350	0.347	0.333	34.632	27.791	32.492	37.088	-0.39	30.1	-3.3	-4.3	
375	0.402	0.386	34.637	27.792	32.492	37.086	0.21	30.1	-3.2	-4.3	
400	0.439	0.422	34.642	27.794	32.493	37.086	0.44	29.9	-1.9	-3.8	
425	0.466	0.448	34.644	27.794	32.492	37.084	-0.17	30.0	-2.8	-3.9	
450	0.459	0.440	34.647	27.797	32.495	37.088	0.61	29.7	-1.6	-3.5	
475	0.477	0.456	34.646	27.795	32.493	37.085	-0.50	29.9	-1.5	-2.1	
500	0.513	0.491	34.655	27.800	32.497	37.088	0.76	29.5	0.3	-3.1	
550	0.555	0.530	34.657	27.799	32.495	37.085	-0.29	29.7	0.1	-1.1	
600	0.560	0.533	34.658	27.800	32.496	37.085	0.20	29.7	2.2	-1.6	
650	0.558	0.528	34.660	27.802	32.498	37.088	0.35	29.6	0.2	-0.2	
700	0.538	0.506	34.662	27.805	32.501	37.092	0.46	29.3	2.9	0.3	
750	0.502	0.467	34.661	27.806	32.504	37.096	0.38	29.2	-0.8	0.6	
800	0.485	0.448	34.662	27.808	32.506	37.099	0.39	29.0	2.0	1.5	
850	0.452	0.412	34.661	27.810	32.509	37.102	0.37	28.9	1.4	1.1	
900	0.413	0.371	34.657	27.809	32.509	37.104	0.13	28.9	0.7	1.7	
950	0.381	0.336	34.659	27.812	32.514	37.109	0.53	28.5	1.4	-0.4	
1000	0.355	0.308	34.657	27.812	32.515	37.111	0.23	28.5	2.4	1.9	

AARI 048



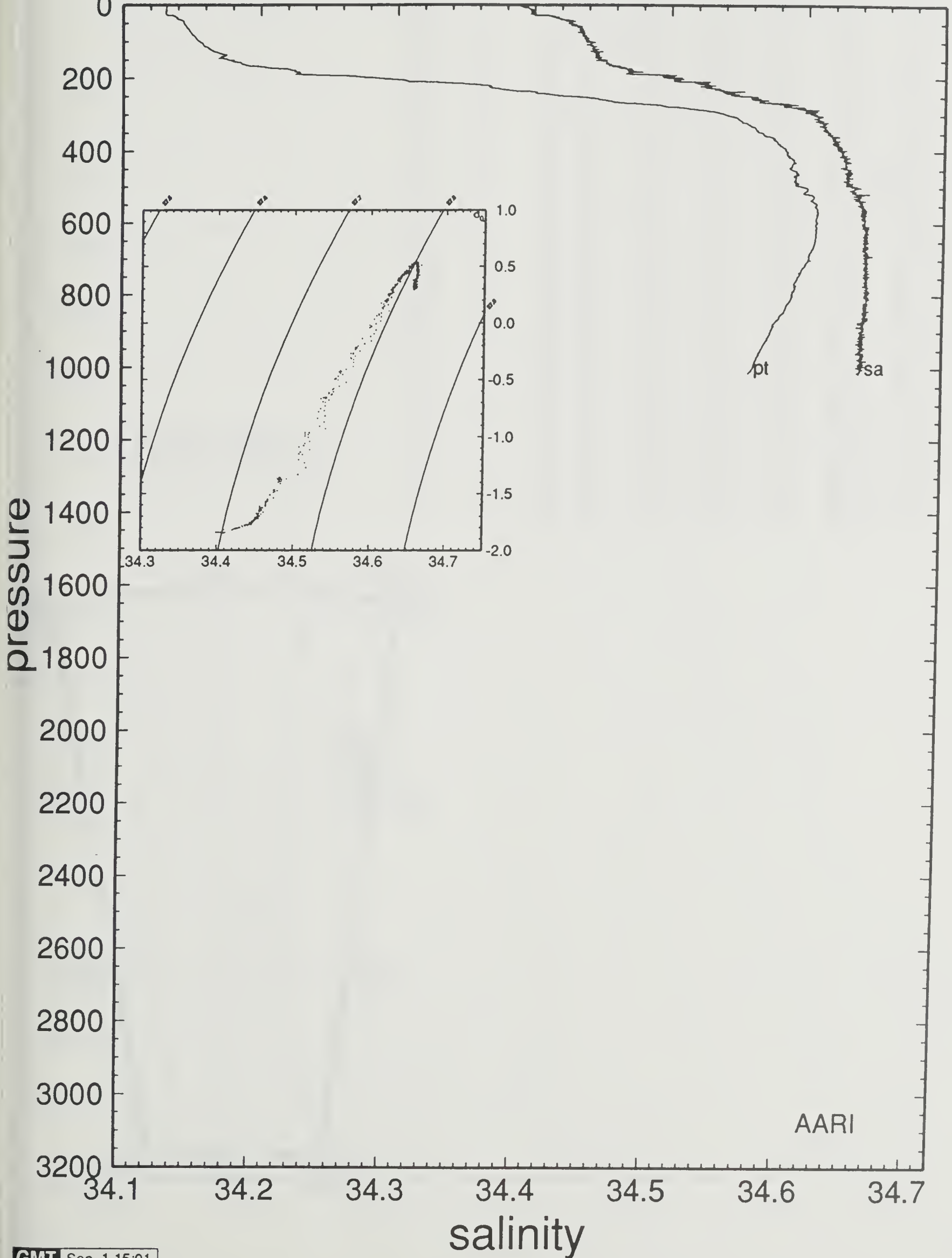
48

93/04/16 15:25

68 28.55 S 53 21.09 W

# potential temperature

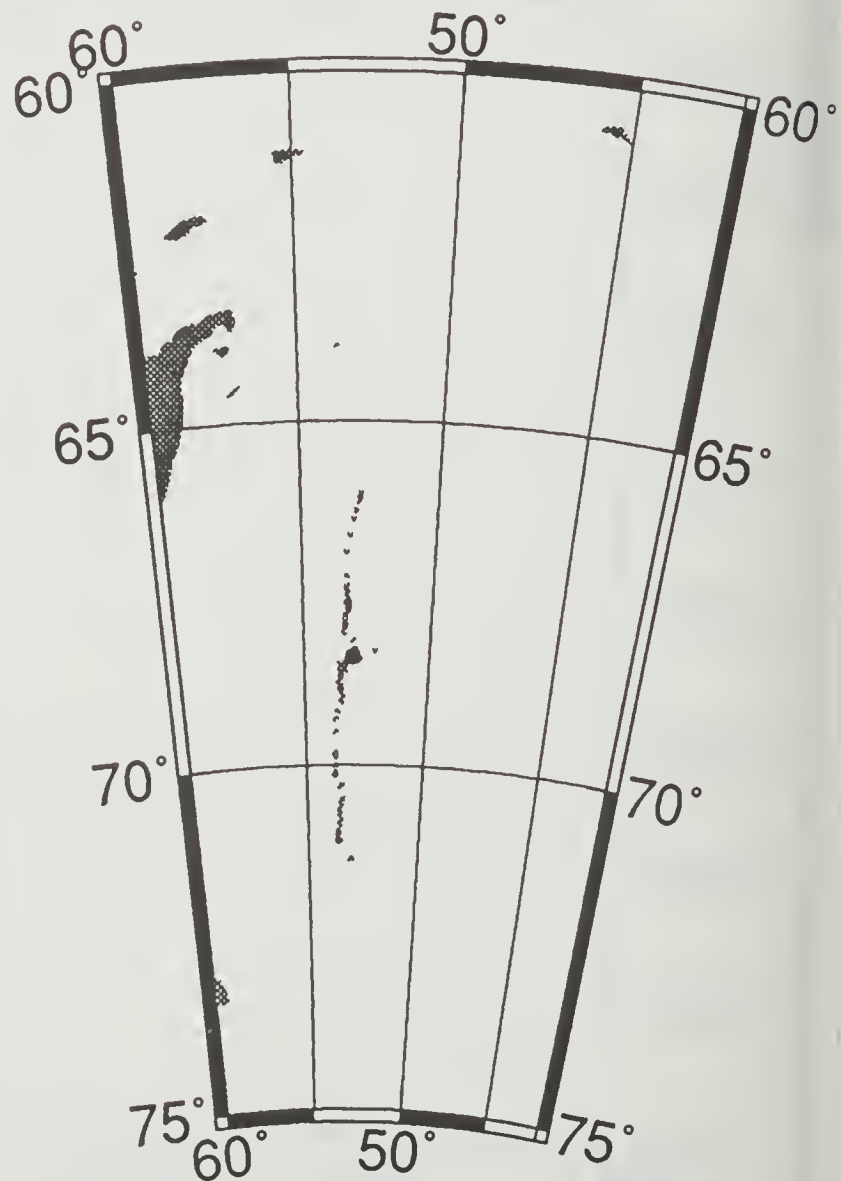
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AARI

ISW-1	-68.4228 S	-53.0583 W	93/04/18	109	16:12	RUSS CTD # 50				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.779	-1.779	34.411	27.702	32.470	37.130	0.00	38.3	4.7	-1.0
10	-1.836	-1.836	34.427	27.716	32.486	37.148	2.13	36.9	0.7	-0.3
20	-1.830	-1.830	34.433	27.721	32.490	37.152	1.22	36.4	1.3	2.0
30	-1.815	-1.816	34.451	27.735	32.504	37.165	2.11	35.0	1.9	4.7
40	-1.759	-1.760	34.462	27.743	32.510	37.169	1.52	34.2	4.0	6.6
50	-1.744	-1.745	34.467	27.746	32.513	37.172	1.07	33.8	6.7	3.6
60	-1.743	-1.744	34.470	27.749	32.515	37.174	0.87	33.5	4.8	-1.0
70	-1.729	-1.730	34.475	27.752	32.518	37.177	1.07	33.1	-1.5	0.0
80	-1.720	-1.722	34.477	27.754	32.519	37.178	0.65	32.9	-2.3	2.7
90	-1.681	-1.683	34.483	27.757	32.522	37.179	1.07	32.5	-2.0	3.8
100	-1.654	-1.656	34.486	27.759	32.523	37.179	0.70	32.3	-2.8	5.4
110	-1.625	-1.627	34.486	27.758	32.521	37.176	-0.54	32.4	-1.9	6.0
120	-1.630	-1.633	34.488	27.760	32.523	37.178	0.75	32.1	-1.9	6.5
130	-1.606	-1.609	34.492	27.763	32.525	37.179	0.87	31.9	-1.9	4.5
140	-1.583	-1.586	34.493	27.763	32.524	37.178	0.09	31.8	-1.8	5.4
150	-1.583	-1.586	34.494	27.764	32.525	37.179	0.51	31.7	-0.9	8.1
160	-1.484	-1.488	34.505	27.769	32.527	37.178	1.30	31.1	0.2	7.8
170	-1.371	-1.375	34.516	27.775	32.529	37.176	1.21	30.6	0.5	8.6
180	-1.308	-1.313	34.524	27.779	32.531	37.177	1.12	30.2	0.7	8.9
190	-1.222	-1.227	34.528	27.779	32.529	37.172	-0.28	30.2	1.7	8.8
200	-0.988	-0.994	34.554	27.792	32.534	37.169	1.85	29.1	2.5	10.2
210	-0.771	-0.777	34.560	27.788	32.523	37.152	-1.28	29.6	2.7	9.8
220	-0.528	-0.535	34.580	27.793	32.521	37.143	1.12	29.2	1.8	8.2
230	-0.391	-0.399	34.597	27.801	32.525	37.142	1.42	28.6	1.2	8.8
240	-0.278	-0.286	34.606	27.803	32.523	37.137	0.57	28.4	1.2	9.0
250	-0.249	-0.258	34.607	27.802	32.522	37.135	-0.50	28.5	0.3	8.1
260	-0.149	-0.158	34.612	27.801	32.518	37.128	-0.73	28.7	1.7	9.1
270	-0.086	-0.096	34.617	27.802	32.517	37.125	0.33	28.6	0.5	9.3
280	-0.039	-0.049	34.622	27.804	32.517	37.124	0.62	28.5	3.1	8.9
290	0.011	0.000	34.631	27.808	32.520	37.125	1.15	28.1	3.2	9.0
300	0.106	0.094	34.632	27.804	32.513	37.116	-1.26	28.6	6.0	7.1
325	0.277	0.264	34.643	27.804	32.507	37.105	-0.51	28.8	3.7	7.4
350	0.366	0.351	34.655	27.808	32.509	37.104	0.69	28.4	2.7	5.1
375	0.410	0.394	34.660	27.810	32.509	37.103	0.37	28.4	7.2	6.6
400	0.464	0.447	34.670	27.815	32.513	37.105	0.74	28.0	9.0	1.3
425	0.514	0.496	34.675	27.816	32.512	37.103	0.26	28.0	4.9	-0.9
450	0.521	0.501	34.673	27.814	32.510	37.101	-0.50	28.2	3.0	-0.1
475	0.569	0.548	34.680	27.817	32.512	37.101	0.52	28.0	0.7	-3.3
500	0.588	0.566	34.682	27.817	32.512	37.101	0.19	28.0	-0.2	0.8
550	0.587	0.562	34.684	27.819	32.514	37.103	0.34	27.9	0.2	1.4
600	0.583	0.556	34.688	27.823	32.517	37.106	0.48	27.6	2.0	1.3
650	0.565	0.535	34.687	27.823	32.518	37.108	0.22	27.6	1.7	2.8
700	0.546	0.514	34.688	27.825	32.521	37.111	0.40	27.4	1.5	0.4
750	0.518	0.483	34.688	27.827	32.524	37.115	0.39	27.3	2.4	1.5
800	0.490	0.453	34.689	27.830	32.527	37.119	0.45	27.0	3.3	2.6
850	0.454	0.414	34.688	27.831	32.530	37.123	0.39	26.9	4.3	3.0
900	0.418	0.376	34.687	27.833	32.533	37.127	0.39	26.7	3.4	4.5
950	0.387	0.342	34.686	27.834	32.535	37.130	0.36	26.6	6.0	2.2
1000	0.354	0.307	34.685	27.835	32.537	37.133	0.38	26.4	4.6	3.1

AARI 050

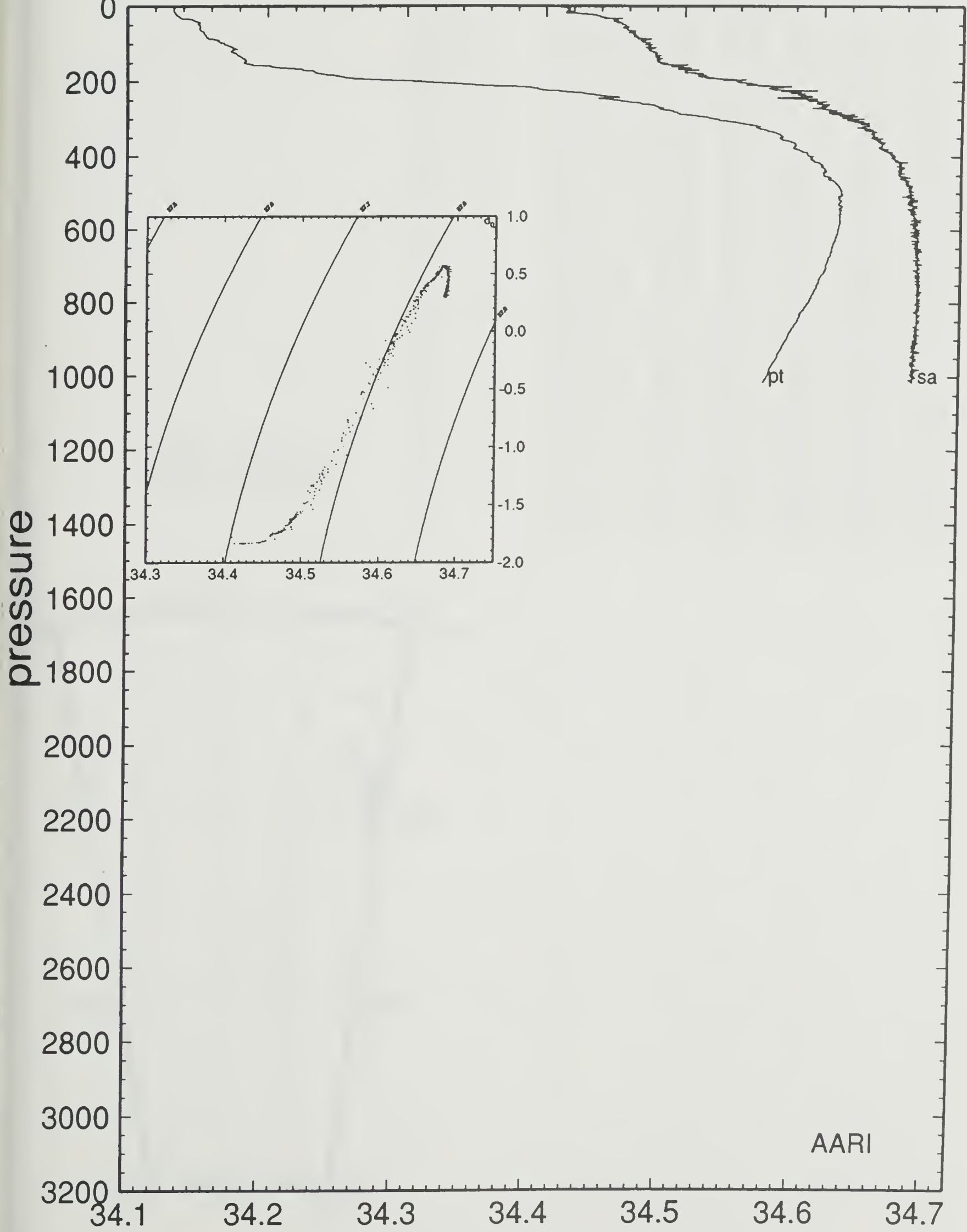




50 93/04/18 16:12 68 25.37 S 53 3.50 W

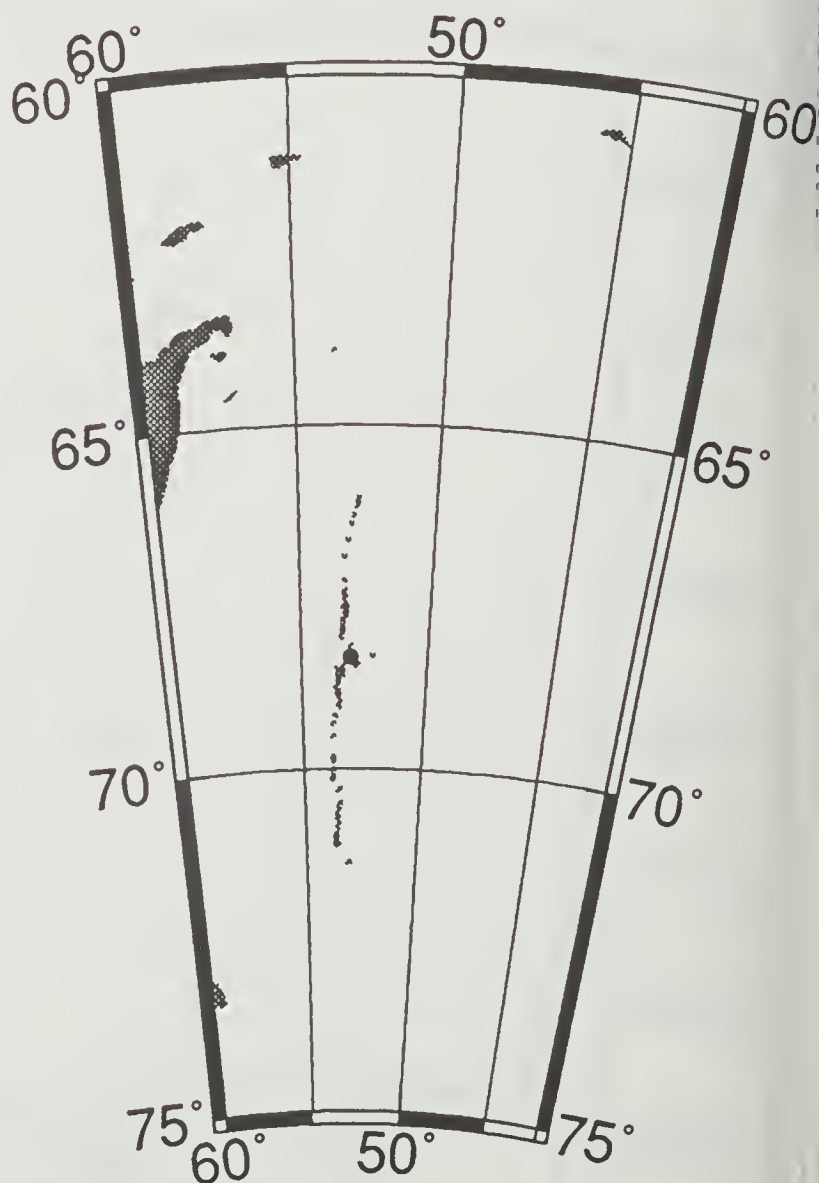
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



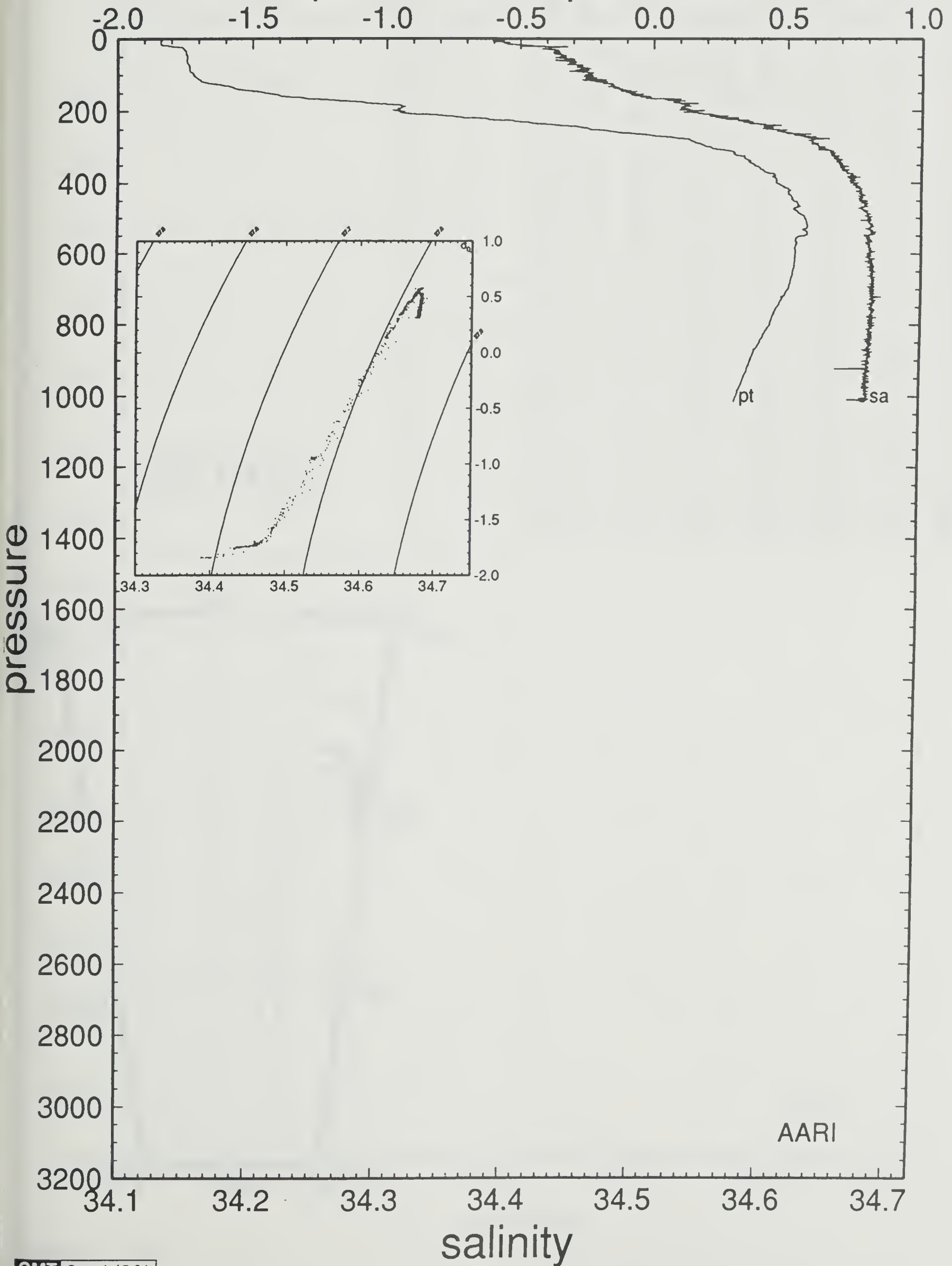
ISW-1	-68.3693 S	-53.0397 W	93/04/19	110	14:31	RUSS CTD # 51						
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL		
0	-1.812	-1.812	34.431	27.719	32.488	37.149	0.00	36.7	3.6	-3.6		
10	-1.841	-1.841	34.399	27.694	32.464	37.126	-2.81	39.0	-4.2	-1.7		
20	-1.814	-1.814	34.419	27.709	32.478	37.140	2.21	37.5	-4.6	1.4		
30	-1.755	-1.756	34.432	27.718	32.485	37.145	1.67	36.6	-1.3	0.6		
40	-1.747	-1.748	34.441	27.725	32.492	37.151	1.49	35.8	0.9	-0.9		
50	-1.743	-1.744	34.441	27.725	32.492	37.151	-0.19	35.8	0.3	-2.5		
60	-1.743	-1.744	34.438	27.723	32.489	37.149	-0.87	36.0	-1.8	-1.9		
70	-1.738	-1.739	34.448	27.731	32.497	37.156	1.58	35.2	-1.7	0.0		
80	-1.734	-1.736	34.460	27.740	32.506	37.165	1.74	34.2	0.9	2.1		
90	-1.732	-1.734	34.450	27.732	32.498	37.157	-1.60	34.9	4.9	0.7		
100	-1.719	-1.721	34.463	27.742	32.508	37.166	1.78	33.9	4.9	-2.8		
110	-1.704	-1.706	34.461	27.740	32.506	37.164	-0.81	34.0	5.2	-5.0		
120	-1.683	-1.686	34.475	27.751	32.516	37.173	1.83	33.0	1.7	-5.2		
130	-1.596	-1.599	34.483	27.755	32.517	37.171	1.06	32.6	0.9	-4.8		
140	-1.548	-1.551	34.489	27.758	32.519	37.172	1.00	32.2	-0.5	-4.8		
150	-1.452	-1.456	34.495	27.760	32.517	37.167	0.67	32.0	-1.2	-5.7		
160	-1.372	-1.376	34.508	27.768	32.523	37.170	1.54	31.3	-0.7	-4.6		
170	-1.191	-1.195	34.524	27.775	32.524	37.166	1.34	30.7	-3.0	-2.5		
180	-1.033	-1.038	34.541	27.783	32.527	37.164	1.49	30.0	-3.0	-2.7		
190	-0.938	-0.943	34.535	27.774	32.515	37.149	-1.68	30.8	-2.3	-2.5		
200	-0.959	-0.965	34.552	27.789	32.530	37.165	2.15	29.4	-1.4	-2.4		
210	-0.853	-0.859	34.556	27.788	32.526	37.158	-0.72	29.5	-1.9	-1.2		
220	-0.674	-0.681	34.575	27.796	32.528	37.154	1.44	28.9	-2.2	-2.0		
230	-0.489	-0.497	34.587	27.797	32.524	37.145	0.25	28.8	-1.7	-3.7		
240	-0.345	-0.353	34.606	27.806	32.528	37.144	1.54	28.1	-1.8	-5.0		
250	-0.232	-0.241	34.599	27.795	32.514	37.127	-1.93	29.2	-2.3	-4.8		
260	-0.125	-0.134	34.615	27.802	32.518	37.128	1.45	28.6	-2.9	-5.2		
270	0.005	-0.005	34.629	27.807	32.519	37.124	1.05	28.2	-1.7	-6.2		
280	0.142	0.131	34.637	27.806	32.514	37.115	-0.79	28.4	-1.4	-6.5		
290	0.170	0.159	34.636	27.804	32.511	37.111	-0.89	28.7	-2.1	-6.6		
300	0.211	0.199	34.642	27.806	32.512	37.112	0.84	28.4	-2.2	-4.9		
325	0.329	0.316	34.656	27.811	32.513	37.109	0.67	28.1	-2.2	-4.0		
350	0.390	0.375	34.658	27.809	32.509	37.104	-0.55	28.4	-1.9	-4.9		
375	0.452	0.436	34.664	27.811	32.509	37.102	0.28	28.3	-2.4	-5.3		
400	0.474	0.457	34.667	27.812	32.510	37.101	0.34	28.3	-2.6	-5.3		
425	0.524	0.506	34.671	27.812	32.508	37.099	-0.19	28.3	-1.0	-5.0		
450	0.539	0.519	34.674	27.814	32.510	37.100	0.42	28.2	-1.4	-3.9		
475	0.544	0.523	34.674	27.814	32.509	37.099	-0.19	28.3	-1.4	-3.9		
500	0.587	0.565	34.680	27.816	32.510	37.099	0.46	28.2	-1.7	-2.6		
550	0.586	0.561	34.678	27.814	32.509	37.098	-0.29	28.3	-1.6	-1.6		
600	0.559	0.532	34.679	27.817	32.512	37.102	0.44	28.1	-1.3	-1.2		
650	0.551	0.521	34.682	27.820	32.516	37.106	0.45	27.9	0.3	-2.0		
700	0.538	0.506	34.683	27.822	32.518	37.108	0.36	27.8	0.6	-1.7		
750	0.500	0.465	34.682	27.823	32.521	37.112	0.39	27.6	-0.1	1.6		
800	0.476	0.439	34.682	27.825	32.523	37.115	0.37	27.5	1.9	-0.1		
850	0.441	0.401	34.680	27.826	32.525	37.118	0.31	27.4	1.2	-0.0		
900	0.409	0.367	34.678	27.826	32.526	37.121	0.28	27.3	0.2	2.0		
950	0.386	0.341	34.678	27.827	32.528	37.124	0.37	27.1	1.9	0.1		
1000	0.364	0.317	34.680	27.830	32.532	37.128	0.48	26.8	2.2	1.3		

AARI 051



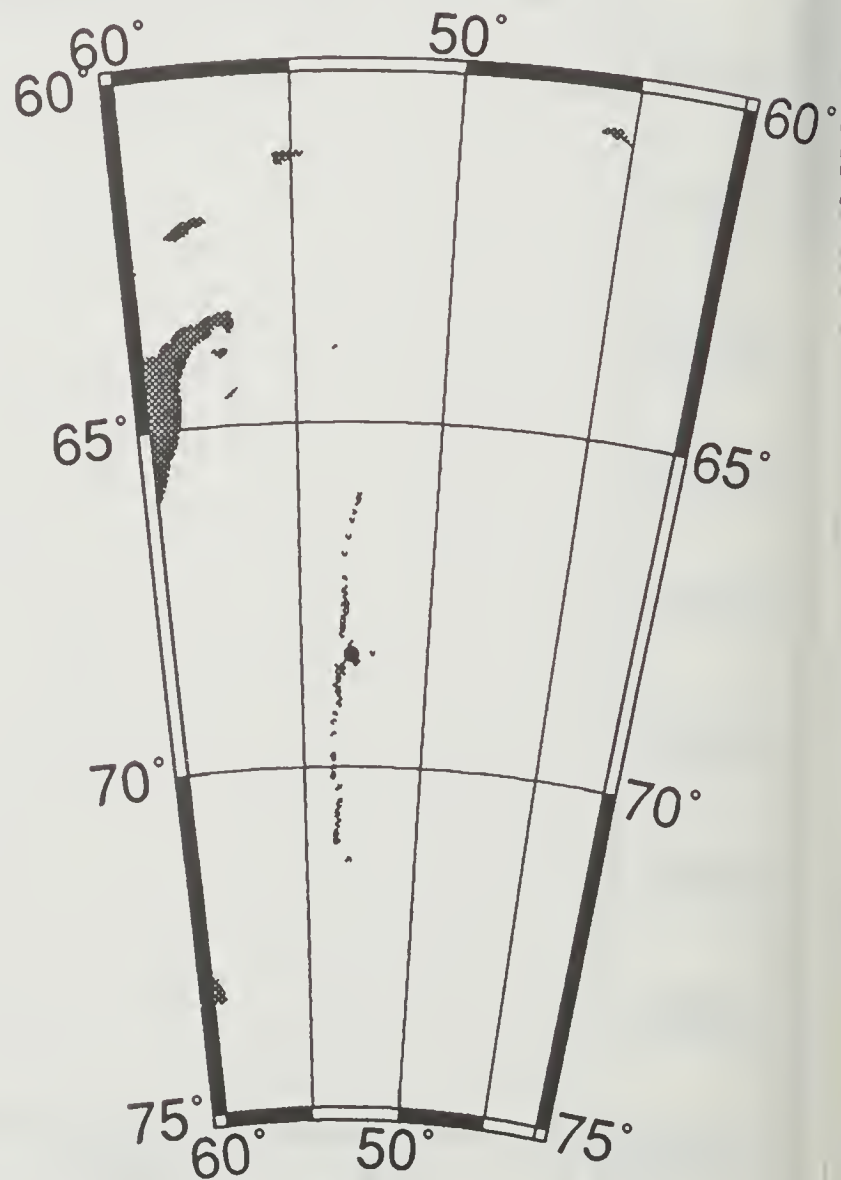
51 93/04/19 14:31 68 22.16 S 53 2.38 W

# potential temperature

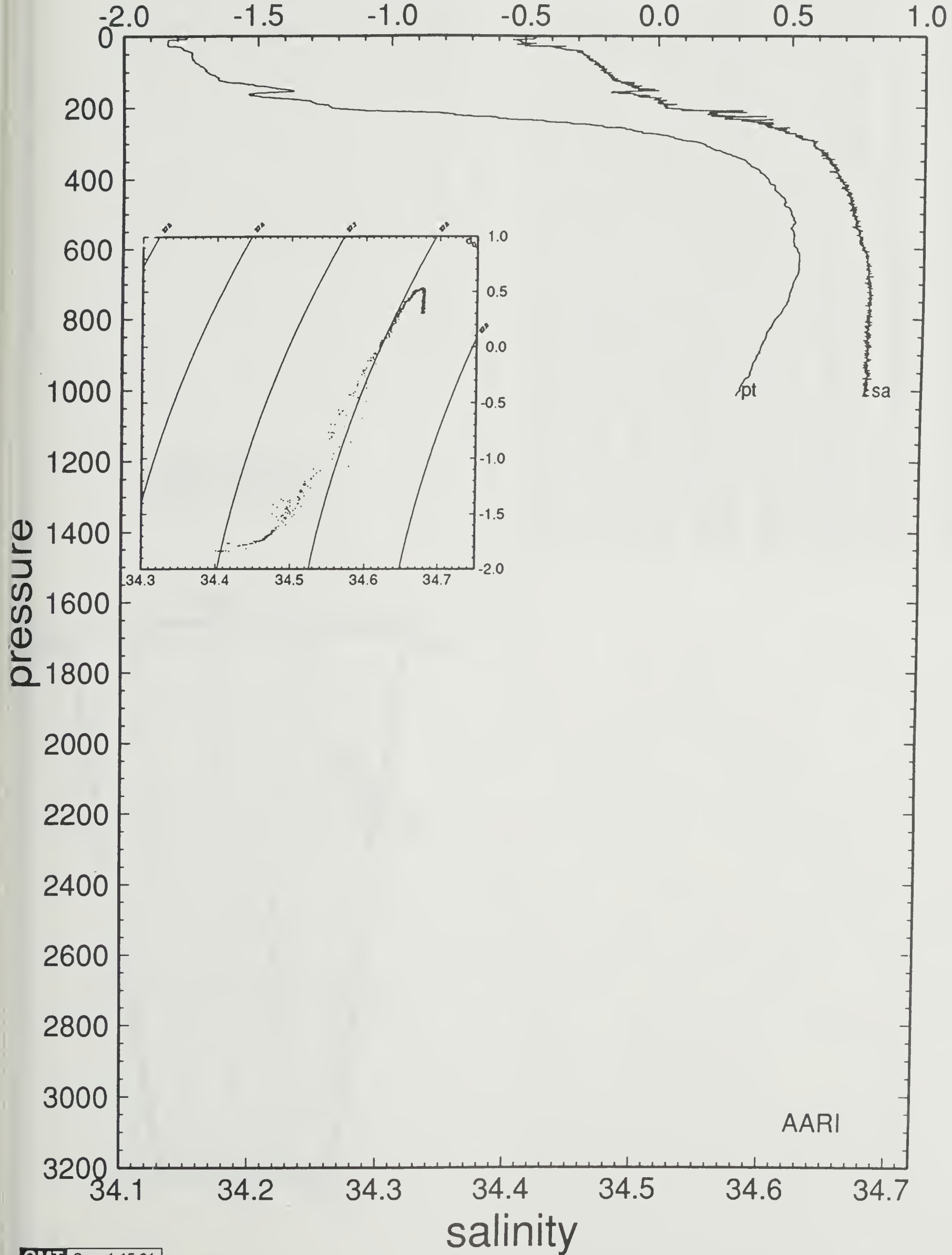


ISW-1	-68.3535 S	-53.004 W	93/04/20	111	18:13	RUSS_CTD	# 52				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.302	-1.302	33.837	27.221	31.979	36.630	0.00	83.8	4.0	-3.5	
10	-1.828	-1.828	34.407	27.700	32.469	37.132	12.24	38.4	5.2	0.5	
20	-1.838	-1.838	34.408	27.701	32.471	37.133	0.58	38.3	7.6	-0.7	
30	-1.801	-1.802	34.434	27.721	32.489	37.151	2.51	36.3	2.6	-0.8	
40	-1.769	-1.770	34.447	27.731	32.498	37.158	1.74	35.3	3.7	1.2	
50	-1.747	-1.748	34.454	27.736	32.502	37.162	1.26	34.8	4.6	1.1	
60	-1.747	-1.748	34.459	27.740	32.506	37.166	1.13	34.3	4.8	0.5	
70	-1.737	-1.738	34.463	27.743	32.509	37.168	0.96	34.0	4.3	1.1	
80	-1.720	-1.722	34.464	27.743	32.509	37.167	0.31	33.9	5.0	1.2	
90	-1.700	-1.702	34.469	27.747	32.512	37.169	1.04	33.5	4.0	-0.2	
100	-1.690	-1.692	34.472	27.749	32.514	37.171	0.82	33.3	5.9	-0.2	
110	-1.661	-1.663	34.476	27.751	32.515	37.172	0.85	33.0	6.8	-2.5	
120	-1.648	-1.651	34.478	27.752	32.516	37.172	0.61	32.8	4.4	-3.0	
130	-1.594	-1.597	34.494	27.764	32.525	37.180	1.87	31.7	1.8	-4.3	
140	-1.497	-1.500	34.500	27.766	32.524	37.176	0.68	31.5	0.3	-0.2	
150	-1.395	-1.399	34.502	27.764	32.519	37.168	-0.82	31.7	1.5	1.0	
160	-1.505	-1.509	34.485	27.754	32.513	37.164	-1.74	32.6	1.3	1.1	
170	-1.488	-1.492	34.497	27.763	32.521	37.172	1.69	31.7	2.5	2.5	
180	-1.336	-1.341	34.514	27.772	32.525	37.172	1.58	30.9	3.5	2.8	
190	-1.282	-1.287	34.515	27.771	32.523	37.167	-0.65	30.9	5.0	2.1	
200	-1.224	-1.229	34.519	27.772	32.522	37.165	0.52	30.8	5.7	1.2	
210	-1.068	-1.074	34.573	27.810	32.555	37.192	3.40	27.3	2.2	0.2	
220	-0.761	-0.768	34.552	27.781	32.516	37.145	-3.13	30.2	5.3	-1.4	
230	-0.594	-0.601	34.565	27.784	32.514	37.138	0.82	30.0	4.1	-1.3	
240	-0.402	-0.410	34.585	27.792	32.516	37.134	1.37	29.4	3.0	1.0	
250	-0.238	-0.247	34.596	27.793	32.512	37.125	-0.26	29.4	2.6	0.7	
260	-0.115	-0.124	34.605	27.794	32.509	37.119	0.23	29.4	7.2	2.7	
270	-0.052	-0.062	34.611	27.795	32.509	37.116	0.59	29.3	6.1	1.7	
280	0.041	0.030	34.621	27.799	32.509	37.114	0.87	29.0	8.7	-0.1	
290	0.092	0.081	34.627	27.801	32.510	37.113	0.73	28.9	6.4	-1.4	
300	0.164	0.152	34.633	27.802	32.509	37.110	0.31	28.8	8.3	-4.2	
325	0.250	0.237	34.639	27.802	32.506	37.105	-0.29	28.9	4.4	-4.1	
350	0.337	0.323	34.646	27.803	32.505	37.101	-0.11	28.9	1.1	-3.4	
375	0.389	0.373	34.651	27.804	32.504	37.099	0.26	28.9	-0.8	-2.6	
400	0.426	0.409	34.653	27.803	32.503	37.096	-0.33	29.0	0.2	-0.6	
425	0.455	0.437	34.657	27.805	32.503	37.096	0.39	28.9	0.3	0.5	
450	0.481	0.462	34.660	27.806	32.504	37.095	0.28	28.9	3.6	1.6	
475	0.493	0.472	34.663	27.808	32.505	37.097	0.45	28.8	3.0	2.4	
500	0.522	0.500	34.665	27.808	32.504	37.095	-0.23	28.8	6.0	0.1	
550	0.531	0.506	34.670	27.811	32.507	37.098	0.47	28.6	5.2	0.1	
600	0.551	0.524	34.672	27.812	32.508	37.098	0.13	28.6	6.2	-0.1	
650	0.559	0.529	34.677	27.816	32.511	37.101	0.47	28.3	3.4	-1.8	
700	0.540	0.508	34.677	27.817	32.513	37.103	0.33	28.2	1.9	1.3	
750	0.526	0.491	34.678	27.819	32.515	37.106	0.37	28.1	1.2	1.7	
800	0.482	0.445	34.677	27.821	32.519	37.111	0.43	27.9	2.7	1.3	
850	0.450	0.410	34.678	27.823	32.522	37.116	0.48	27.6	3.1	2.0	
900	0.424	0.382	34.677	27.824	32.524	37.118	0.32	27.5	3.5	1.5	
950	0.399	0.354	34.677	27.826	32.526	37.121	0.38	27.3	4.3	2.5	
1000	0.364	0.317	34.677	27.828	32.530	37.126	0.45	27.1	3.4	1.8	

AARI 052



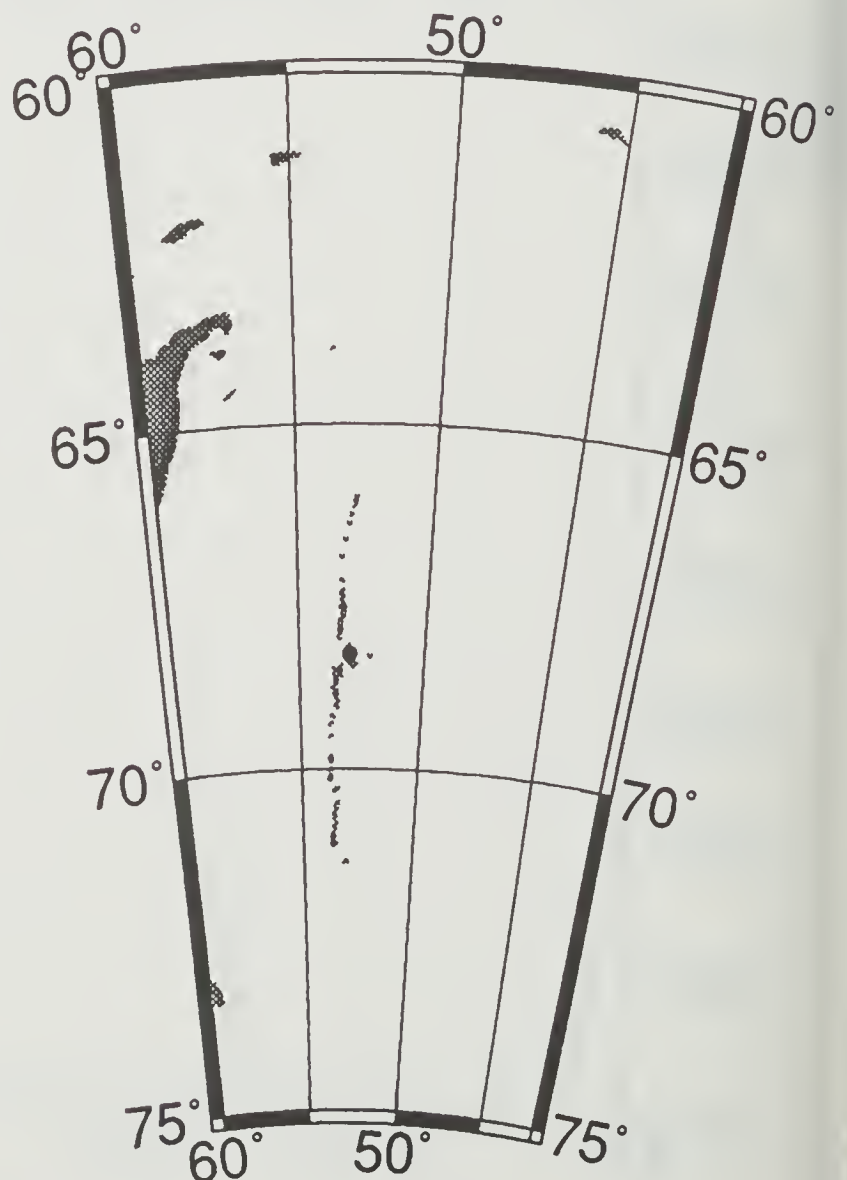
# potential temperature



AARI

ISW-1	-68.3188 S	-52.9872 W	93/04/21	112	15:59	RUSS CTD # 53					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.828	-1.828	34.426	27.715	32.485	37.147	0.00	37.0	-2.7	-3.6	
10	-1.852	-1.852	34.412	27.704	32.475	37.138	-1.83	38.0	-3.4	2.1	
20	-1.853	-1.853	34.418	27.709	32.480	37.143	1.24	37.5	-2.9	5.6	
30	-1.854	-1.855	34.421	27.712	32.482	37.145	0.88	37.2	-0.3	4.8	
40	-1.853	-1.854	34.425	27.715	32.485	37.148	1.01	36.8	-0.3	3.7	
50	-1.760	-1.761	34.465	27.745	32.512	37.172	3.06	33.9	-1.0	1.8	
60	-1.756	-1.757	34.469	27.748	32.515	37.175	0.99	33.6	-3.9	2.8	
70	-1.745	-1.746	34.476	27.754	32.520	37.179	1.30	33.0	-4.9	2.3	
80	-1.742	-1.744	34.481	27.758	32.524	37.183	1.12	32.6	-2.3	2.6	
90	-1.740	-1.742	34.485	27.761	32.527	37.186	1.00	32.2	-2.0	-0.8	
100	-1.737	-1.739	34.489	27.764	32.530	37.189	0.99	31.8	-3.3	-1.6	
110	-1.714	-1.716	34.495	27.768	32.533	37.191	1.14	31.4	-1.9	-4.8	
120	-1.696	-1.699	34.497	27.769	32.534	37.191	0.57	31.2	-4.5	-4.4	
130	-1.639	-1.642	34.500	27.770	32.533	37.189	0.42	31.1	-5.0	-4.3	
140	-1.605	-1.608	34.505	27.773	32.535	37.190	0.95	30.8	-6.3	-5.7	
150	-1.549	-1.552	34.517	27.781	32.541	37.194	1.56	30.0	-5.7	-0.3	
160	-1.467	-1.471	34.518	27.779	32.537	37.187	-0.82	30.2	-5.0	-0.4	
170	-1.404	-1.408	34.525	27.783	32.538	37.187	1.02	29.8	-6.1	-1.6	
180	-1.320	-1.325	34.534	27.788	32.540	37.186	1.12	29.4	-3.3	0.9	
190	-1.182	-1.187	34.550	27.796	32.544	37.185	1.51	28.7	-2.6	0.4	
200	-1.026	-1.032	34.562	27.800	32.543	37.180	0.96	28.3	-3.2	-0.5	
210	-0.817	-0.823	34.575	27.802	32.539	37.169	0.53	28.2	0.0	-0.7	
220	-0.680	-0.687	34.584	27.803	32.536	37.162	0.43	28.1	-0.5	-1.3	
230	-0.568	-0.575	34.591	27.804	32.533	37.156	-0.09	28.1	-3.2	-0.7	
240	-0.361	-0.369	34.607	27.808	32.530	37.147	0.77	27.9	-4.1	0.3	
250	-0.181	-0.190	34.633	27.820	32.537	37.148	1.84	26.9	-4.0	1.7	
260	-0.077	-0.087	34.633	27.815	32.529	37.137	-1.38	27.5	-4.1	2.6	
270	-0.041	-0.051	34.641	27.819	32.532	37.139	1.16	27.1	-2.0	3.1	
280	0.041	0.030	34.647	27.820	32.530	37.135	-0.21	27.1	1.3	2.3	
290	0.098	0.087	34.653	27.821	32.530	37.133	0.64	26.9	1.9	-0.5	
300	0.139	0.127	34.656	27.822	32.529	37.131	-0.21	27.0	1.7	-2.1	
325	0.263	0.250	34.671	27.827	32.531	37.129	0.72	26.6	-1.1	-4.3	
350	0.341	0.327	34.678	27.828	32.530	37.125	0.25	26.5	-3.6	-4.3	
375	0.382	0.366	34.681	27.828	32.529	37.123	-0.20	26.6	-5.4	-5.1	
400	0.413	0.396	34.682	27.827	32.527	37.120	-0.40	26.7	-5.7	-1.9	
425	0.453	0.435	34.690	27.832	32.530	37.122	0.68	26.4	-7.2	-1.8	
450	0.485	0.465	34.692	27.831	32.529	37.120	-0.28	26.5	-4.9	0.7	
475	0.511	0.490	34.693	27.831	32.527	37.118	-0.35	26.6	-4.6	2.1	
500	0.518	0.496	34.694	27.831	32.528	37.118	0.22	26.6	-3.6	2.2	
550	0.526	0.501	34.696	27.833	32.529	37.119	0.27	26.6	-1.2	1.9	
600	0.577	0.550	34.704	27.836	32.531	37.120	0.41	26.4	-3.8	1.7	
650	0.564	0.534	34.704	27.837	32.532	37.122	0.28	26.3	-0.0	0.4	
700	0.540	0.508	34.705	27.839	32.535	37.125	0.43	26.1	-1.1	-2.1	
750	0.510	0.475	34.704	27.841	32.537	37.129	0.34	26.0	-2.1	-1.7	
800	0.477	0.440	34.703	27.842	32.540	37.132	0.36	25.9	-2.1	0.1	
850	0.450	0.410	34.702	27.843	32.542	37.135	0.32	25.8	-1.7	0.2	
900	0.418	0.376	34.702	27.845	32.545	37.139	0.43	25.6	-2.0	0.6	
950	0.395	0.350	34.700	27.845	32.545	37.140	0.19	25.6	-2.4	3.1	
1000	0.368	0.321	34.702	27.848	32.549	37.145	0.51	25.2	-1.3	0.4	

AARI 053

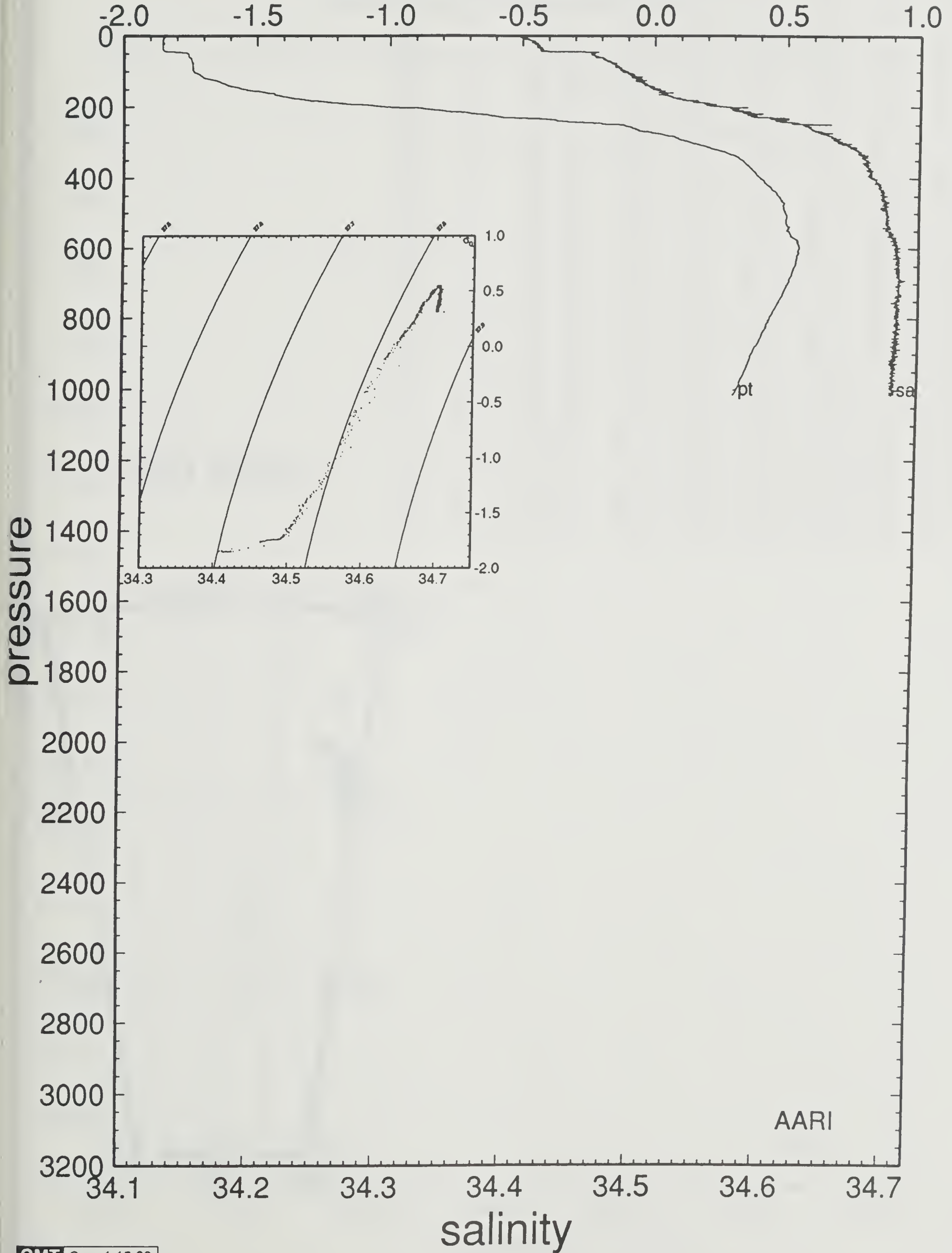


53

93/04/21 15:59

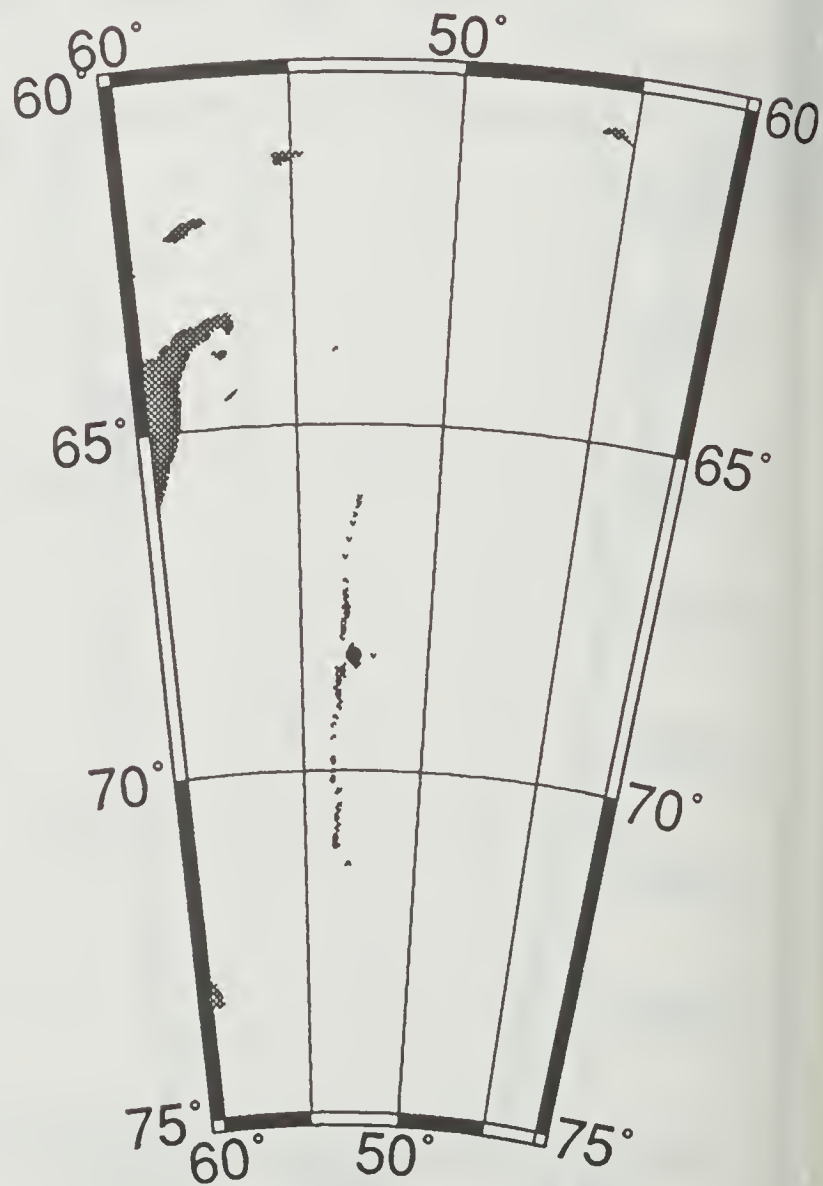
68 19.13 S 52 59.23 W

# potential temperature



ISW-1	-68.3233 S	-52.9377 W	93/04/22	113	15:20	RUSS CTD # 54					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.810	-1.810	34.471	27.751	32.520	37.181	0.00	33.6	-8.0	-8.6	
10	-1.855	-1.855	34.389	27.686	32.456	37.120	-4.53	39.7	-6.1	4.3	
20	-1.860	-1.860	34.403	27.697	32.468	37.131	1.90	38.6	-4.8	2.0	
30	-1.861	-1.862	34.410	27.703	32.474	37.137	1.34	38.0	-3.7	0.9	
40	-1.857	-1.858	34.413	27.705	32.476	37.139	0.86	37.7	-3.1	1.0	
50	-1.789	-1.790	34.457	27.739	32.507	37.168	3.26	34.4	-2.6	-1.2	
60	-1.755	-1.756	34.459	27.740	32.507	37.166	0.45	34.3	-3.0	-2.1	
70	-1.750	-1.751	34.470	27.749	32.515	37.175	1.66	33.4	-3.9	-3.9	
80	-1.745	-1.747	34.478	27.755	32.522	37.181	1.41	32.8	-5.6	-4.3	
90	-1.736	-1.738	34.485	27.761	32.527	37.185	1.30	32.2	-4.8	-2.8	
100	-1.730	-1.732	34.489	27.764	32.530	37.188	0.98	31.9	-3.7	-2.9	
110	-1.707	-1.709	34.494	27.767	32.532	37.190	1.02	31.5	-3.5	-6.0	
120	-1.670	-1.673	34.499	27.770	32.534	37.191	0.95	31.2	-6.1	-7.2	
130	-1.620	-1.623	34.503	27.772	32.534	37.189	0.70	31.0	-6.7	-5.3	
140	-1.539	-1.542	34.510	27.775	32.535	37.187	0.95	30.6	-9.8	-4.8	
150	-1.505	-1.508	34.514	27.777	32.536	37.187	0.80	30.4	-10.1	-2.4	
160	-1.446	-1.450	34.519	27.780	32.536	37.186	0.77	30.2	-5.4	-1.4	
170	-1.345	-1.349	34.532	27.787	32.540	37.187	1.45	29.5	-7.9	0.4	
180	-1.239	-1.244	34.549	27.797	32.547	37.190	1.73	28.6	-4.7	-0.6	
190	-1.088	-1.093	34.552	27.794	32.539	37.178	-1.11	28.9	-3.6	-1.5	
200	-0.861	-0.867	34.577	27.805	32.543	37.175	1.77	27.9	-2.7	-0.8	
210	-0.734	-0.740	34.585	27.807	32.541	37.168	0.35	27.8	-1.7	-0.2	
220	-0.638	-0.645	34.588	27.805	32.536	37.161	-0.85	28.0	-0.5	-1.6	
230	-0.457	-0.465	34.608	27.813	32.538	37.158	1.45	27.4	-0.3	-1.0	
240	-0.282	-0.290	34.624	27.817	32.538	37.152	1.02	27.1	1.7	-3.1	
250	-0.179	-0.188	34.629	27.816	32.534	37.145	-0.75	27.2	1.1	-4.3	
260	-0.105	-0.115	34.648	27.828	32.543	37.151	1.86	26.2	0.8	-6.1	
270	-0.035	-0.045	34.645	27.822	32.535	37.141	-1.43	26.8	-1.7	-7.7	
280	0.016	0.005	34.652	27.825	32.536	37.141	0.89	26.5	-2.9	-7.1	
290	0.059	0.048	34.661	27.830	32.540	37.144	1.20	26.1	-4.4	-6.5	
300	0.128	0.116	34.666	27.830	32.538	37.140	-0.30	26.1	-4.7	-5.7	
325	0.246	0.233	34.676	27.832	32.536	37.135	0.25	26.1	-4.4	-7.8	
350	0.324	0.310	34.682	27.832	32.534	37.130	-0.19	26.1	-10.4	-5.4	
375	0.369	0.353	34.685	27.832	32.533	37.128	-0.27	26.2	-11.9	-0.7	
400	0.396	0.379	34.686	27.832	32.531	37.126	-0.35	26.3	-4.4	1.8	
425	0.440	0.422	34.691	27.833	32.532	37.125	0.35	26.2	-2.2	3.3	
450	0.464	0.445	34.695	27.835	32.533	37.125	0.44	26.1	-1.9	2.9	
475	0.480	0.459	34.696	27.835	32.532	37.124	-0.18	26.2	-0.2	5.7	
500	0.513	0.491	34.699	27.836	32.532	37.123	0.09	26.2	1.1	1.7	
550	0.570	0.545	34.707	27.839	32.534	37.123	0.38	26.0	-0.6	-5.7	
600	0.581	0.554	34.712	27.842	32.537	37.126	0.46	25.8	-4.9	-4.6	
650	0.566	0.536	34.715	27.846	32.541	37.130	0.49	25.5	-2.2	1.2	
700	0.537	0.505	34.712	27.845	32.541	37.131	0.08	25.6	-6.0	-1.4	
750	0.511	0.476	34.710	27.845	32.542	37.133	0.21	25.6	-5.0	1.5	
800	0.484	0.447	34.709	27.846	32.544	37.136	0.32	25.5	-4.3	3.6	
850	0.451	0.411	34.708	27.848	32.546	37.139	0.37	25.3	0.0	1.1	
900	0.418	0.376	34.709	27.850	32.550	37.144	0.49	25.0	-3.4	2.1	
950	0.396	0.351	34.707	27.850	32.551	37.145	0.18	25.0	-2.8	1.8	
1000	0.373	0.326	34.705	27.850	32.551	37.147	0.20	25.0	-6.0	4.9	

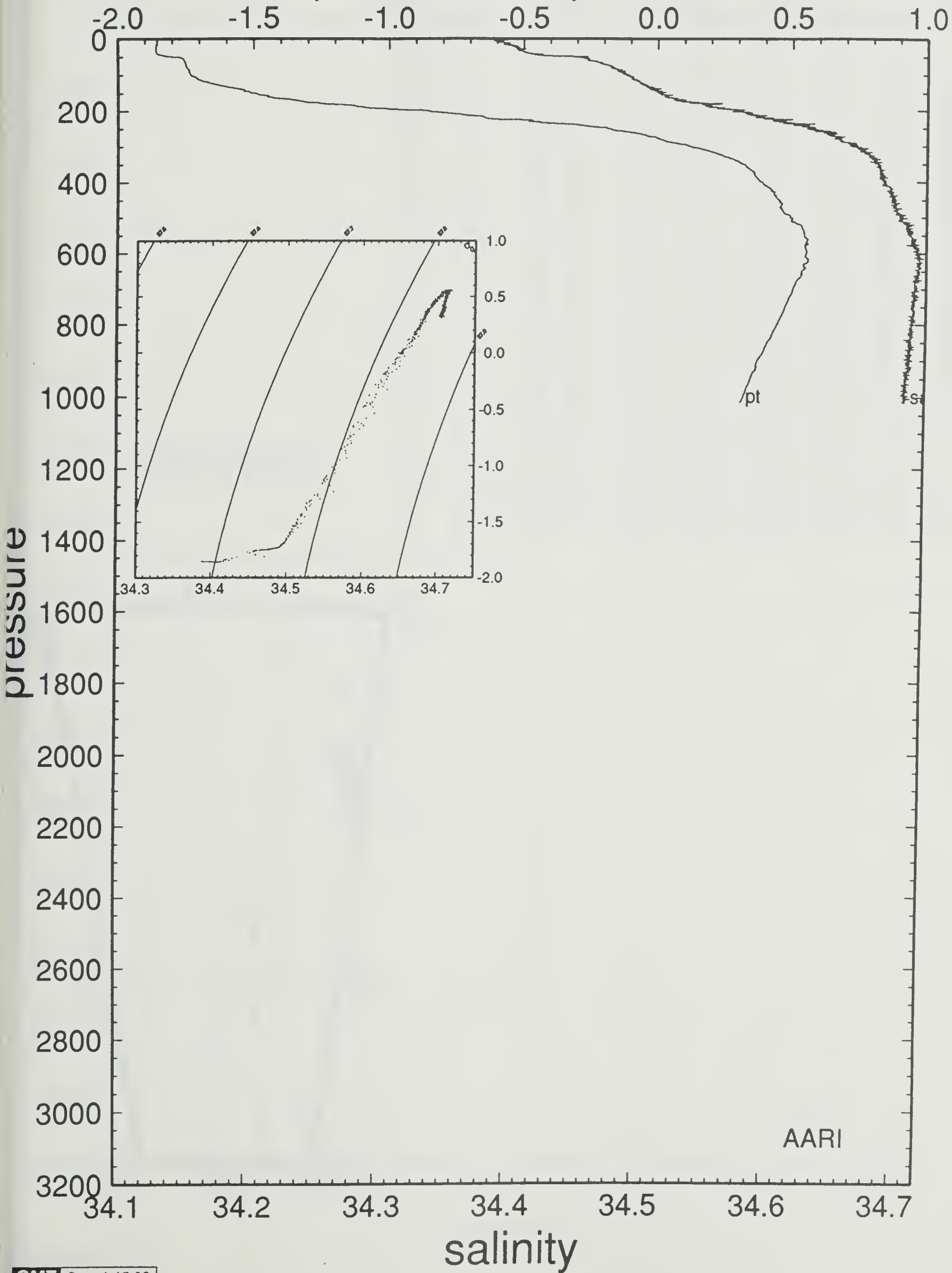
AARI 054





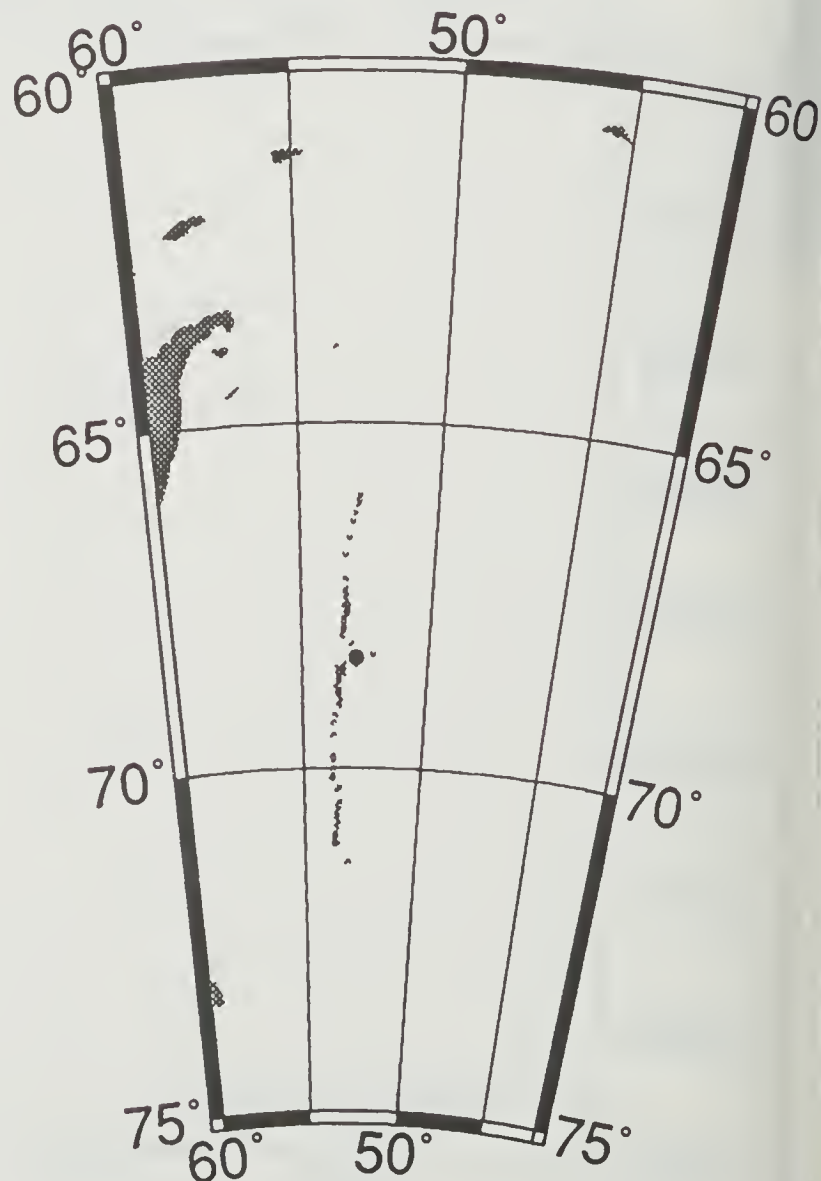
54 93/04/22 15:20 68 19.40 S 52 56.26 W

# potential temperature



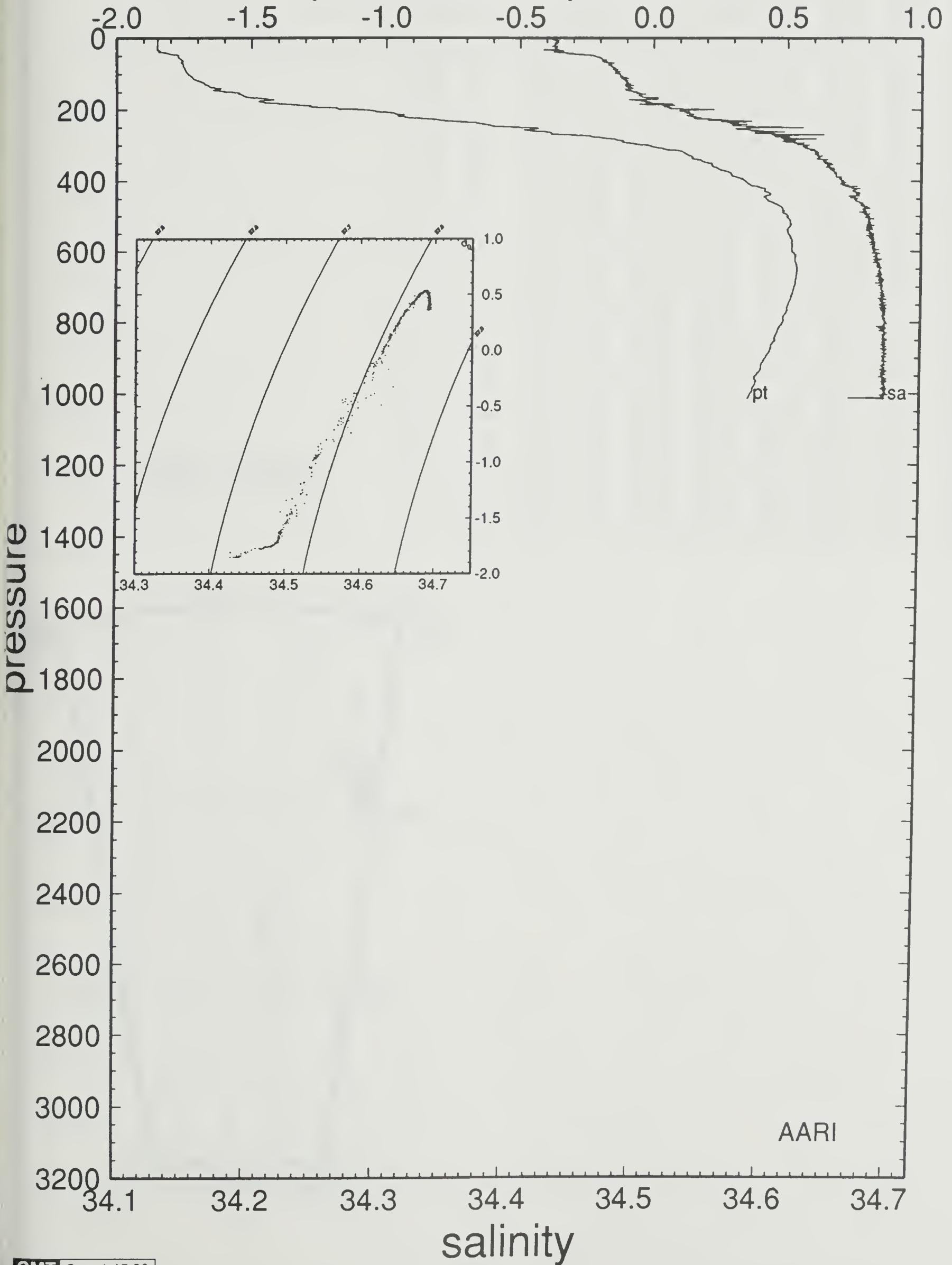
ISW-1	-68.3862 S	-52.835 W	93/04/23	114	16:33	RUSS CTD	# 55				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.808	-1.808	34.428	27.716	32.485	37.146	0.00	36.9	-9.4	2.2	
10	-1.850	-1.850	34.438	27.725	32.496	37.158	1.70	36.0	-2.4	-6.9	
20	-1.850	-1.850	34.437	27.725	32.495	37.157	-0.50	36.0	-8.8	-3.4	
30	-1.851	-1.852	34.438	27.726	32.496	37.158	0.51	35.9	-4.7	5.8	
40	-1.839	-1.840	34.439	27.726	32.496	37.158	0.39	35.8	2.8	4.0	
50	-1.772	-1.773	34.467	27.747	32.514	37.174	2.56	33.7	7.3	-3.2	
60	-1.760	-1.761	34.473	27.752	32.518	37.178	1.19	33.2	3.0	-9.6	
70	-1.759	-1.760	34.482	27.759	32.526	37.185	1.51	32.5	-2.7	-10.1	
80	-1.752	-1.754	34.480	27.757	32.524	37.183	-0.76	32.6	-5.0	-8.1	
90	-1.745	-1.747	34.483	27.759	32.526	37.185	0.84	32.3	-6.3	-4.3	
100	-1.735	-1.737	34.485	27.761	32.527	37.185	0.64	32.2	-2.1	-0.6	
110	-1.719	-1.721	34.489	27.763	32.529	37.187	0.93	31.8	3.5	-4.0	
120	-1.695	-1.698	34.492	27.765	32.530	37.187	0.72	31.6	2.2	-10.2	
130	-1.671	-1.674	34.493	27.765	32.529	37.186	0.10	31.6	-2.2	-12.4	
140	-1.625	-1.628	34.497	27.767	32.530	37.185	0.73	31.4	-8.8	-9.9	
150	-1.598	-1.601	34.498	27.767	32.529	37.183	-0.19	31.3	-9.2	-3.7	
160	-1.531	-1.535	34.503	27.769	32.529	37.181	0.73	31.1	-6.7	-0.3	
170	-1.438	-1.442	34.509	27.771	32.528	37.177	0.67	30.9	-4.4	0.8	
180	-1.449	-1.453	34.508	27.771	32.528	37.177	-0.35	30.9	-3.7	0.9	
190	-1.281	-1.286	34.521	27.776	32.527	37.172	1.11	30.5	-1.8	-0.4	
200	-1.086	-1.091	34.538	27.782	32.528	37.166	1.32	29.9	-1.7	-1.4	
210	-0.966	-0.972	34.541	27.780	32.522	37.157	-0.95	30.2	-0.5	-2.7	
220	-0.933	-0.939	34.540	27.778	32.519	37.153	-0.85	30.4	-0.8	-5.5	
230	-0.795	-0.802	34.555	27.785	32.521	37.151	1.32	29.8	-1.8	-7.0	
240	-0.634	-0.642	34.576	27.795	32.526	37.151	1.67	28.9	-3.2	-8.2	
250	-0.498	-0.506	34.609	27.816	32.542	37.163	2.47	27.1	-2.9	-7.6	
260	-0.454	-0.463	34.595	27.802	32.528	37.147	-2.07	28.3	-3.1	-7.2	
270	-0.370	-0.379	34.621	27.819	32.542	37.159	2.26	26.8	-4.2	-6.9	
280	-0.188	-0.198	34.618	27.808	32.526	37.137	-2.00	28.0	-3.8	-7.2	
290	-0.104	-0.115	34.614	27.801	32.516	37.125	-1.60	28.7	-4.1	-5.9	
300	-0.030	-0.041	34.630	27.810	32.522	37.129	1.62	27.9	-5.3	-4.5	
325	0.130	0.117	34.639	27.809	32.516	37.118	-0.58	28.2	-1.6	-4.3	
350	0.205	0.191	34.647	27.811	32.517	37.116	0.45	28.0	-5.8	-8.9	
375	0.283	0.268	34.652	27.811	32.514	37.112	-0.37	28.1	-12.1	-5.2	
400	0.352	0.335	34.658	27.812	32.513	37.109	0.15	28.1	-7.9	3.6	
425	0.434	0.416	34.669	27.816	32.515	37.108	0.63	27.9	-6.1	3.6	
450	0.436	0.417	34.670	27.817	32.515	37.109	0.30	27.8	-4.8	4.5	
475	0.496	0.475	34.676	27.818	32.515	37.106	0.26	27.8	-4.0	2.8	
500	0.521	0.499	34.679	27.819	32.515	37.106	0.29	27.8	-4.7	2.2	
550	0.526	0.501	34.682	27.821	32.518	37.108	0.37	27.6	-5.1	2.2	
600	0.545	0.518	34.684	27.822	32.518	37.108	0.15	27.6	-5.8	2.0	
650	0.566	0.536	34.688	27.824	32.519	37.109	0.33	27.6	-4.9	-0.6	
700	0.559	0.527	34.690	27.826	32.522	37.111	0.38	27.4	-6.8	0.8	
750	0.539	0.504	34.690	27.828	32.524	37.114	0.34	27.3	-6.7	1.0	
800	0.522	0.485	34.693	27.831	32.528	37.119	0.50	27.0	-5.8	-2.1	
850	0.496	0.456	34.693	27.833	32.530	37.122	0.39	26.8	-5.9	-3.3	
900	0.465	0.423	34.692	27.834	32.532	37.125	0.36	26.7	-4.3	-2.6	
950	0.433	0.388	34.691	27.835	32.535	37.128	0.37	26.5	-7.9	-2.8	
1000	0.415	0.367	34.693	27.838	32.538	37.132	0.46	26.3	-8.2	-2.1	

AARI 055



55 93/04/23 16:33 68 23.17 S 52 50.10 W

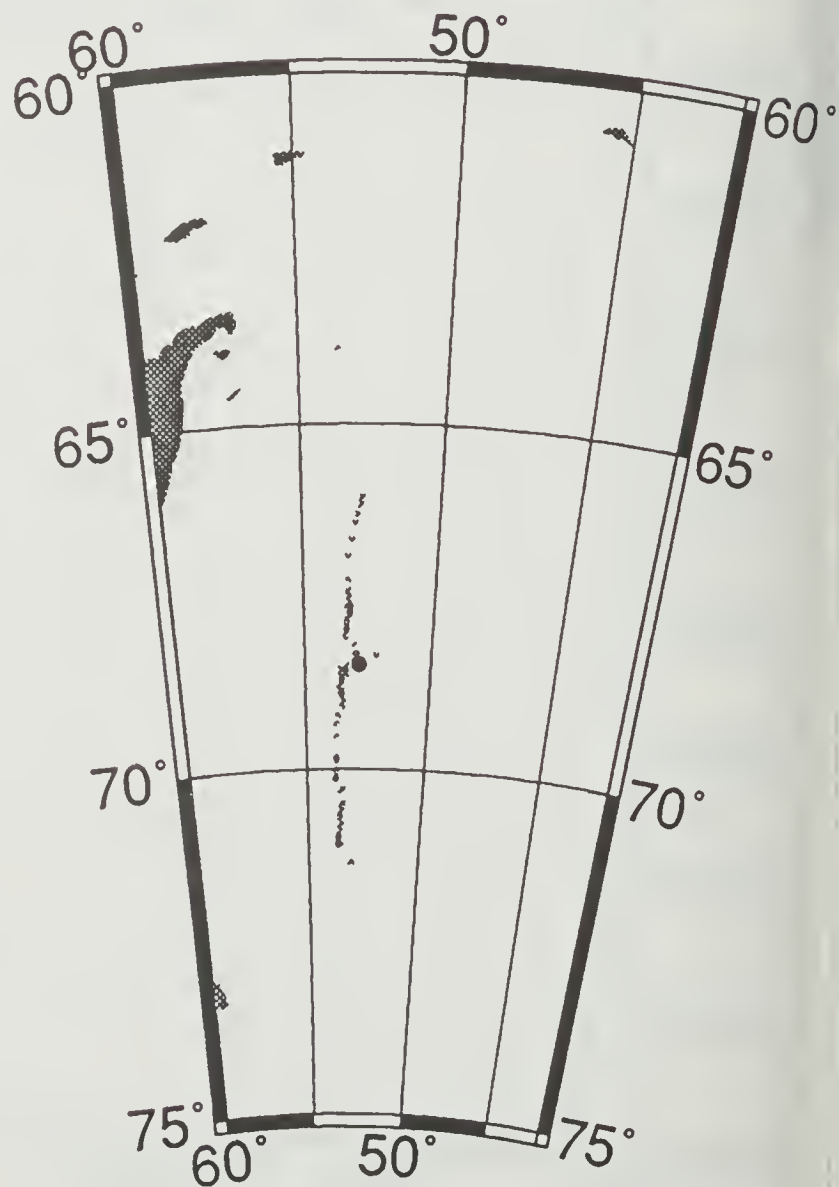
# potential temperature



AARI

ISW-1	-68.4708 S	-52.8333 W	93/04/24	115	15:48	RUSS CTD # 56					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.826	-1.826	34.392	27.687	32.457	37.119	0.00	39.6	-12.6	-5.5	
10	-1.862	-1.862	34.401	27.696	32.466	37.130	1.61	38.8	-2.0	-5.2	
20	-1.861	-1.861	34.403	27.697	32.468	37.131	0.71	38.6	-1.9	-6.0	
30	-1.861	-1.862	34.403	27.697	32.468	37.131	0.04	38.5	3.7	-6.3	
40	-1.858	-1.859	34.419	27.710	32.481	37.144	2.01	37.2	-2.2	-2.6	
50	-1.856	-1.857	34.422	27.713	32.483	37.146	0.86	37.0	3.3	-2.6	
60	-1.853	-1.854	34.424	27.714	32.485	37.147	0.70	36.7	3.8	-8.8	
70	-1.784	-1.785	34.456	27.738	32.506	37.167	2.74	34.4	1.4	-13.7	
80	-1.756	-1.758	34.477	27.755	32.521	37.181	2.25	32.8	-5.7	-12.9	
90	-1.758	-1.760	34.480	27.757	32.524	37.183	0.89	32.5	-9.1	-8.9	
100	-1.750	-1.752	34.484	27.760	32.527	37.186	0.97	32.2	-7.5	-5.0	
110	-1.726	-1.728	34.487	27.762	32.528	37.186	0.73	32.0	-5.1	-2.6	
120	-1.710	-1.713	34.492	27.766	32.531	37.189	1.05	31.6	-4.3	-2.9	
130	-1.695	-1.698	34.495	27.768	32.532	37.190	0.78	31.3	-4.7	-2.9	
140	-1.654	-1.657	34.499	27.770	32.533	37.189	0.77	31.1	-3.6	-2.9	
150	-1.628	-1.631	34.499	27.769	32.532	37.187	-0.52	31.1	-3.2	-2.2	
160	-1.564	-1.568	34.507	27.774	32.534	37.187	1.15	30.7	-2.5	-3.0	
170	-1.503	-1.507	34.518	27.781	32.539	37.190	1.45	30.0	-1.0	-3.5	
180	-1.438	-1.442	34.521	27.781	32.537	37.187	0.05	30.0	-0.6	-3.9	
190	-1.377	-1.382	34.524	27.781	32.536	37.183	0.16	29.9	-0.4	-5.2	
200	-1.357	-1.362	34.525	27.782	32.535	37.182	0.10	29.9	-0.5	-4.0	
210	-1.121	-1.127	34.544	27.789	32.535	37.175	1.32	29.3	-0.7	-4.7	
220	-1.006	-1.012	34.553	27.792	32.534	37.171	0.83	29.0	-0.9	-5.0	
230	-0.862	-0.869	34.566	27.796	32.535	37.166	1.09	28.7	0.1	-5.4	
240	-0.769	-0.776	34.568	27.794	32.530	37.159	-0.95	28.9	1.2	-4.7	
250	-0.680	-0.688	34.580	27.800	32.533	37.159	1.28	28.4	-1.2	-4.4	
260	-0.564	-0.572	34.587	27.801	32.530	37.153	-0.32	28.4	-0.8	-3.6	
270	-0.446	-0.455	34.597	27.804	32.529	37.148	0.74	28.2	-1.8	-2.9	
280	-0.340	-0.350	34.607	27.807	32.529	37.145	0.83	28.0	-2.5	-1.6	
290	-0.079	-0.090	34.628	27.811	32.525	37.133	0.73	27.8	-3.1	-1.6	
300	0.078	0.066	34.643	27.815	32.524	37.127	0.88	27.6	-4.0	-0.4	
325	0.151	0.138	34.646	27.813	32.520	37.122	-0.52	27.8	-5.5	-1.0	
350	0.310	0.296	34.660	27.816	32.518	37.115	0.33	27.7	-5.0	-2.2	
375	0.372	0.356	34.661	27.813	32.514	37.108	-0.65	28.0	-3.2	-1.1	
400	0.405	0.388	34.667	27.816	32.516	37.110	0.57	27.8	-3.6	-0.7	
425	0.444	0.426	34.670	27.816	32.515	37.107	-0.18	27.9	-5.5	-1.6	
450	0.472	0.453	34.672	27.816	32.514	37.106	-0.20	27.9	-2.2	-4.4	
475	0.508	0.487	34.679	27.820	32.516	37.107	0.62	27.7	-5.9	-2.7	
500	0.530	0.508	34.681	27.820	32.516	37.107	0.09	27.7	-7.1	-2.8	
550	0.568	0.543	34.686	27.822	32.517	37.106	0.29	27.6	-6.4	-3.6	
600	0.592	0.565	34.688	27.822	32.517	37.105	-0.06	27.7	0.1	-6.7	
650	0.575	0.545	34.690	27.825	32.520	37.109	0.44	27.5	-4.2	-5.4	
700	0.558	0.526	34.692	27.828	32.523	37.113	0.44	27.2	-10.1	-3.7	
750	0.529	0.494	34.691	27.829	32.525	37.116	0.33	27.1	-0.0	-7.2	
800	0.502	0.465	34.692	27.832	32.529	37.120	0.45	26.9	-8.4	-5.7	
850	0.474	0.434	34.692	27.833	32.531	37.124	0.40	26.7	-7.9	-4.5	
900	0.446	0.404	34.691	27.834	32.533	37.127	0.33	26.6	-1.8	-8.7	
950	0.415	0.370	34.692	27.837	32.537	37.131	0.48	26.3	-2.5	-8.6	
1000	0.387	0.340	34.692	27.839	32.540	37.135	0.41	26.1	-7.3	-7.4	

# AARI 056

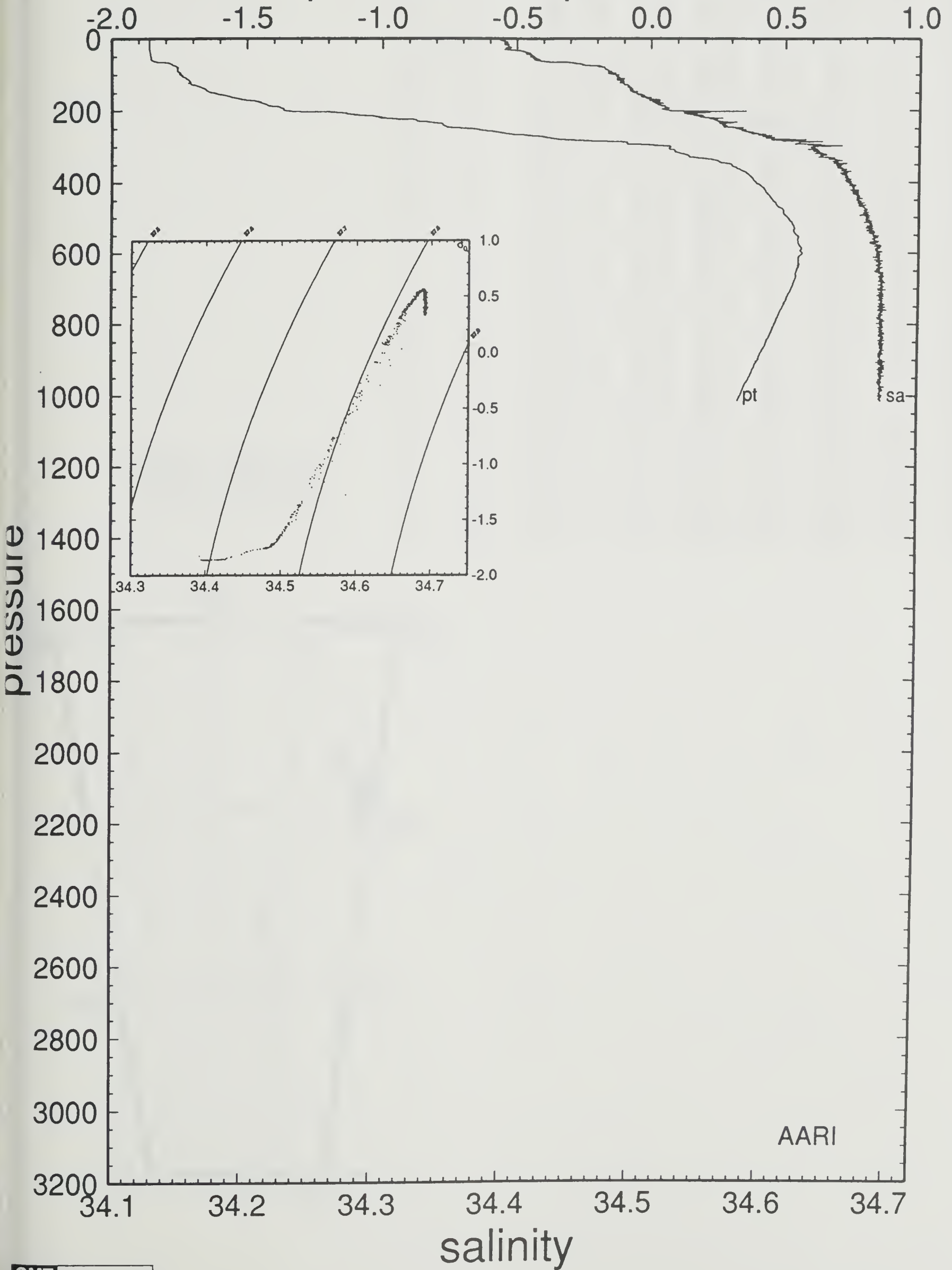


56

93/04/24 15:48

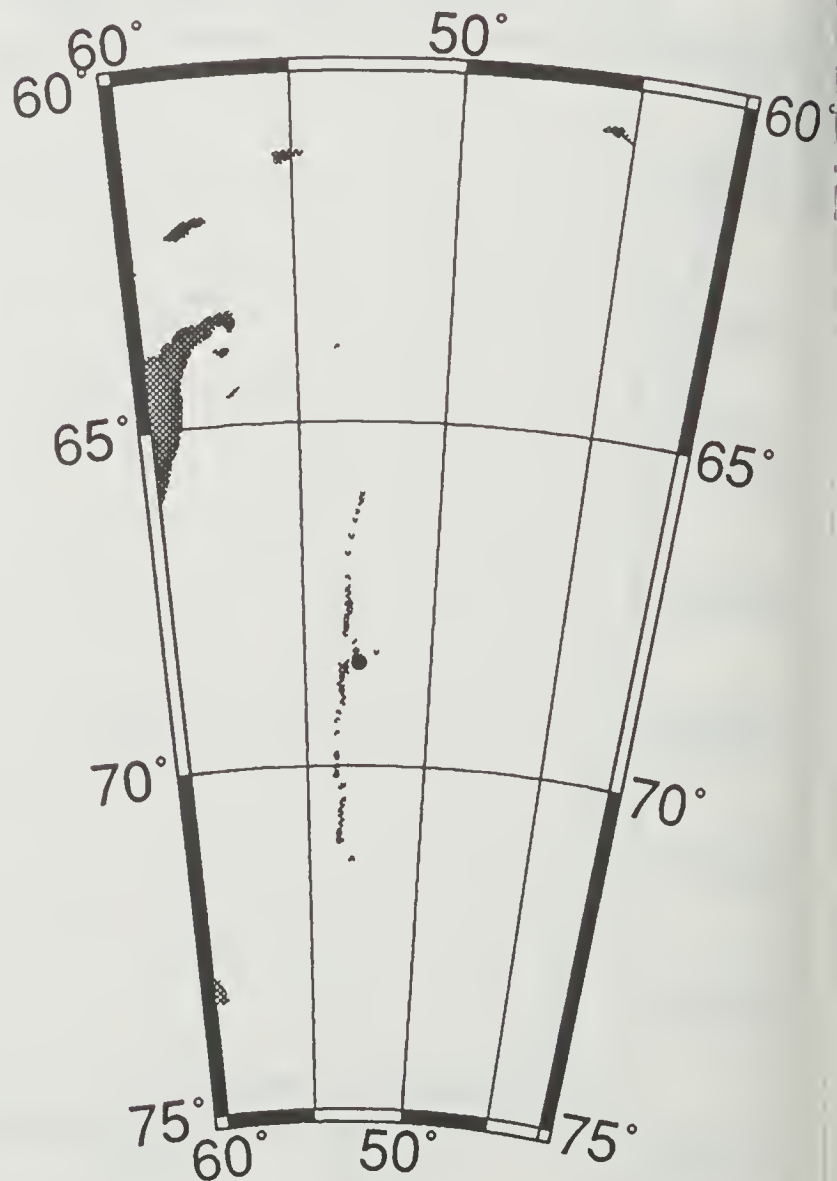
68 28.25 S 52 50.00 W

# potential temperature



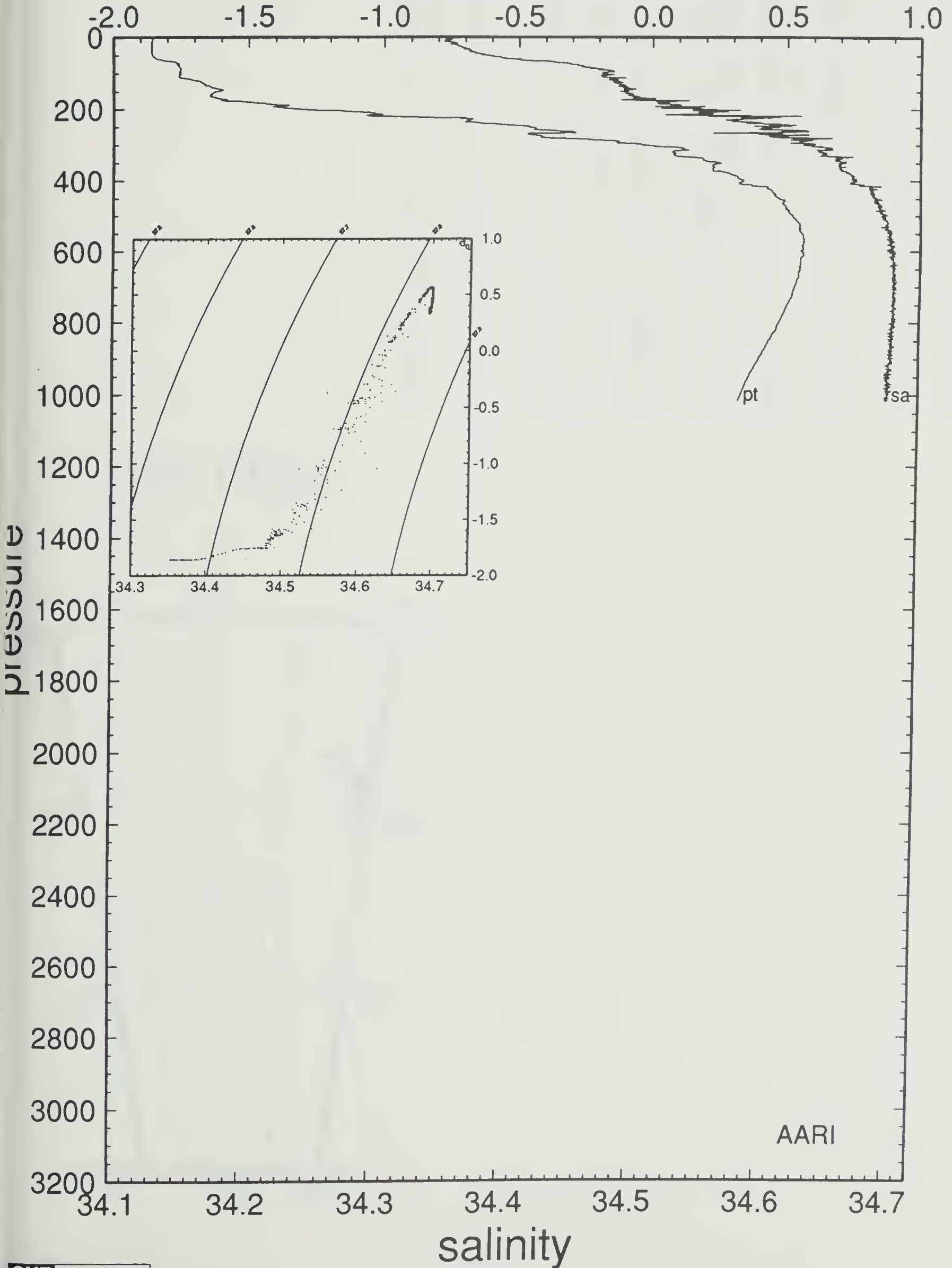
ISW-1	-68.4912 S	-52.8383 W	93/04/25	116	15:34	RUSS CTD # 57					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.847	-1.847	34.454	27.738	32.508	37.171	0.00	34.8	13.7	9.7	
10	-1.857	-1.857	34.356	27.659	32.430	37.094	-4.99	42.3	10.2	-3.8	
20	-1.859	-1.859	34.359	27.661	32.433	37.096	0.88	42.0	3.9	-7.3	
30	-1.859	-1.860	34.366	27.667	32.438	37.102	1.34	41.4	0.8	-5.7	
40	-1.859	-1.860	34.372	27.672	32.443	37.107	1.24	40.9	2.6	-6.5	
50	-1.857	-1.858	34.383	27.681	32.452	37.115	1.67	40.0	1.7	-3.9	
60	-1.840	-1.841	34.402	27.696	32.466	37.129	2.17	38.5	0.1	-4.6	
70	-1.769	-1.770	34.438	27.723	32.491	37.151	2.92	35.8	-5.1	0.5	
80	-1.758	-1.760	34.459	27.740	32.507	37.167	2.29	34.2	2.1	8.3	
90	-1.751	-1.753	34.472	27.750	32.517	37.176	1.80	33.2	12.7	2.7	
100	-1.754	-1.756	34.477	27.755	32.521	37.181	1.14	32.7	12.0	-3.4	
110	-1.756	-1.758	34.474	27.752	32.519	37.179	-0.86	32.9	9.5	-6.3	
120	-1.699	-1.702	34.485	27.760	32.525	37.182	1.49	32.2	4.2	-6.0	
130	-1.664	-1.667	34.487	27.760	32.524	37.181	0.39	32.1	4.2	-3.8	
140	-1.626	-1.629	34.491	27.762	32.525	37.180	0.79	31.8	2.6	-3.0	
150	-1.609	-1.612	34.494	27.764	32.526	37.181	0.76	31.6	4.0	-3.5	
160	-1.637	-1.641	34.497	27.768	32.531	37.186	1.03	31.2	5.0	-3.3	
170	-1.610	-1.614	34.509	27.777	32.539	37.193	1.66	30.3	1.2	-0.3	
180	-1.507	-1.511	34.525	27.786	32.545	37.196	1.70	29.4	0.9	1.7	
190	-1.354	-1.359	34.533	27.788	32.542	37.188	0.44	29.3	1.9	3.1	
200	-1.313	-1.318	34.546	27.797	32.549	37.195	1.67	28.4	2.3	2.7	
210	-1.037	-1.043	34.549	27.790	32.533	37.170	-1.71	29.3	2.5	4.5	
220	-0.988	-0.994	34.587	27.818	32.560	37.196	2.99	26.5	3.0	0.9	
230	-0.679	-0.686	34.572	27.794	32.526	37.152	-2.90	29.0	3.6	3.8	
240	-0.625	-0.633	34.598	27.812	32.543	37.168	2.39	27.3	4.1	4.3	
250	-0.452	-0.460	34.579	27.805	32.531	37.150	-1.61	28.1	5.4	4.2	
260	-0.358	-0.367	34.628	27.824	32.547	37.163	2.39	26.3	4.6	3.1	
270	-0.458	-0.467	34.600	27.806	32.532	37.152	-2.31	27.9	5.6	3.4	
280	-0.402	-0.412	34.614	27.815	32.539	37.157	1.60	27.1	6.8	3.4	
290	-0.122	-0.133	34.630	27.814	32.530	37.139	-1.00	27.4	8.1	2.4	
300	-0.028	-0.039	34.634	27.813	32.525	37.132	-0.87	27.6	9.0	-0.2	
325	0.095	0.082	34.645	27.815	32.524	37.127	0.39	27.5	5.8	-1.9	
350	0.258	0.244	34.660	27.818	32.522	37.121	0.44	27.4	1.6	1.3	
375	0.272	0.257	34.662	27.819	32.523	37.121	0.30	27.3	3.0	8.2	
400	0.354	0.337	34.670	27.821	32.522	37.118	0.34	27.3	14.6	7.5	
425	0.458	0.440	34.682	27.825	32.523	37.115	0.55	27.0	15.5	2.5	
450	0.491	0.471	34.685	27.825	32.523	37.114	0.12	27.1	13.9	1.1	
475	0.518	0.497	34.688	27.826	32.523	37.113	0.26	27.0	14.6	1.6	
500	0.545	0.523	34.692	27.828	32.524	37.113	0.40	27.0	13.3	0.9	
550	0.583	0.558	34.696	27.829	32.524	37.112	0.18	27.0	12.7	2.1	
600	0.588	0.561	34.700	27.832	32.527	37.115	0.43	26.8	10.4	3.5	
650	0.580	0.550	34.700	27.833	32.528	37.117	0.23	26.8	10.5	3.7	
700	0.563	0.531	34.699	27.833	32.528	37.118	0.22	26.8	8.2	3.2	
750	0.540	0.505	34.700	27.836	32.532	37.122	0.42	26.5	7.5	3.5	
800	0.513	0.476	34.700	27.837	32.534	37.125	0.39	26.4	8.2	4.4	
850	0.475	0.435	34.699	27.839	32.537	37.129	0.40	26.2	8.1	5.2	
900	0.444	0.402	34.698	27.840	32.539	37.132	0.36	26.1	7.8	5.1	
950	0.408	0.363	34.696	27.841	32.541	37.135	0.32	26.0	4.9	5.6	
1000	0.382	0.335	34.696	27.842	32.543	37.139	0.39	25.8	6.6	4.9	

AARI 057



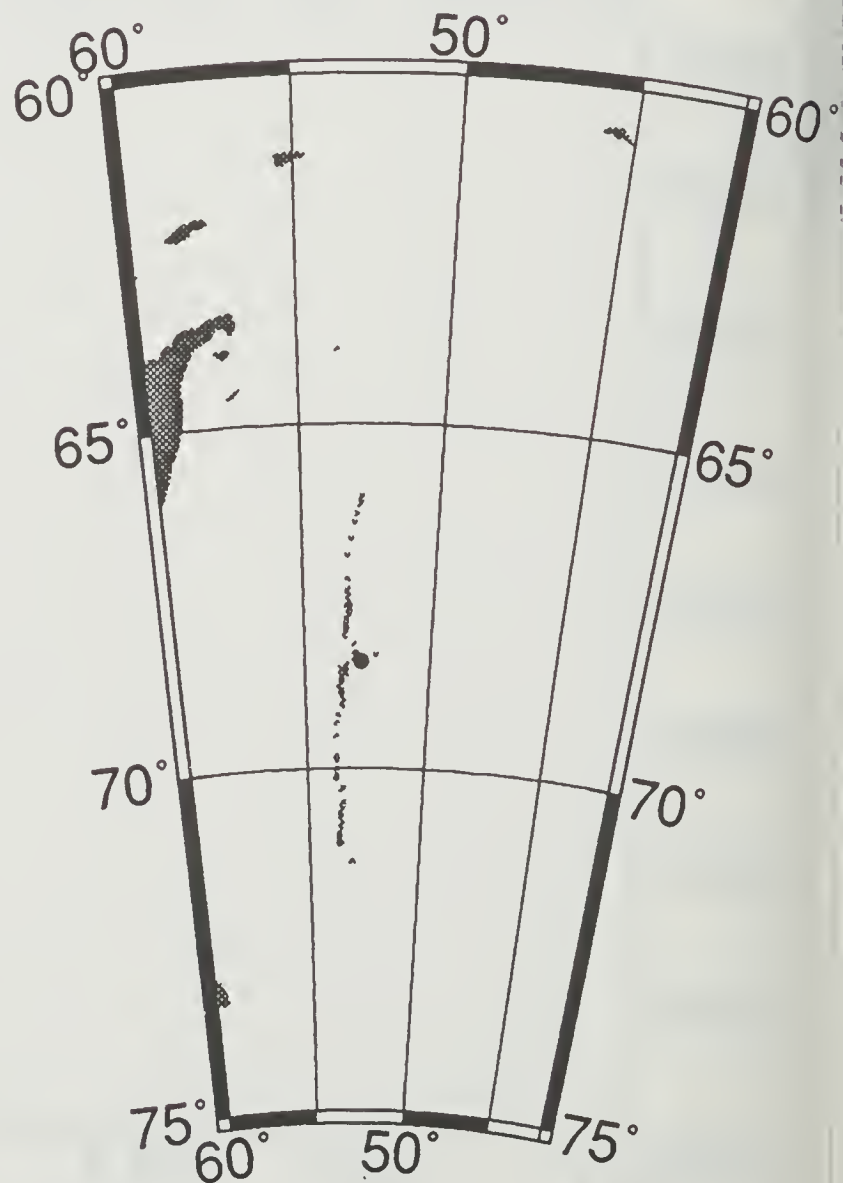
57 93/04/25 15:34 68 29.47 S 52 50.30 W

# potential temperature



ISW-1	-68.4423 S	-52.7368 W	93/04/26	117	15:10	RUSS CTD # 58					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.814	-1.814	34.380	27.677	32.447	37.109	0.00	40.6	-6.1	-10.6	
10	-1.853	-1.853	34.356	27.659	32.430	37.093	-2.41	42.3	1.6	-8.2	
20	-1.854	-1.854	34.352	27.656	32.427	37.090	-1.00	42.5	-1.1	-11.1	
30	-1.854	-1.855	34.366	27.667	32.438	37.101	1.89	41.4	-6.7	-5.6	
40	-1.854	-1.855	34.388	27.685	32.456	37.119	2.37	39.6	-5.9	0.7	
50	-1.854	-1.855	34.399	27.694	32.464	37.128	1.67	38.7	-2.4	4.6	
60	-1.854	-1.855	34.384	27.682	32.452	37.116	-1.95	39.8	1.2	5.2	
70	-1.849	-1.850	34.395	27.690	32.461	37.124	1.66	38.9	6.3	4.0	
80	-1.774	-1.776	34.414	27.704	32.472	37.132	2.04	37.6	6.5	-3.7	
90	-1.747	-1.749	34.428	27.715	32.482	37.141	1.82	36.6	3.6	-4.7	
100	-1.741	-1.743	34.444	27.727	32.494	37.153	2.00	35.3	0.9	-6.5	
110	-1.690	-1.692	34.452	27.733	32.497	37.155	1.24	34.8	-1.4	-7.0	
120	-1.665	-1.668	34.460	27.738	32.502	37.159	1.33	34.2	-3.4	-8.0	
130	-1.631	-1.634	34.464	27.741	32.504	37.159	0.82	33.9	-3.9	-3.6	
140	-1.520	-1.523	34.475	27.746	32.506	37.158	1.26	33.4	-2.9	-0.7	
150	-1.476	-1.480	34.485	27.753	32.511	37.162	1.43	32.7	0.1	-1.4	
160	-1.369	-1.373	34.494	27.757	32.511	37.159	1.02	32.4	3.5	-3.7	
170	-1.248	-1.252	34.506	27.762	32.513	37.157	1.25	31.9	3.8	-7.8	
180	-1.175	-1.180	34.510	27.763	32.511	37.153	0.28	31.8	1.7	-10.1	
190	-1.028	-1.033	34.531	27.775	32.518	37.155	1.83	30.7	-2.6	-10.7	
200	-0.937	-0.943	34.533	27.773	32.514	37.148	-0.88	30.9	-5.0	-9.5	
210	-0.846	-0.852	34.547	27.780	32.518	37.150	1.49	30.2	-4.1	-7.1	
220	-0.730	-0.737	34.549	27.777	32.512	37.139	-1.11	30.6	-4.7	-5.7	
230	-0.491	-0.499	34.573	27.786	32.513	37.134	1.50	29.9	-7.5	-3.9	
240	-0.300	-0.308	34.603	27.801	32.522	37.137	2.08	28.6	-9.6	-2.7	
250	-0.007	-0.016	34.611	27.793	32.505	37.111	-1.81	29.5	-10.3	-2.6	
260	-0.087	-0.097	34.600	27.788	32.503	37.112	-1.13	29.9	-7.5	-1.6	
270	-0.087	-0.097	34.601	27.789	32.504	37.112	0.51	29.8	-8.3	-1.1	
280	0.064	0.053	34.623	27.799	32.509	37.113	1.64	29.0	-10.0	-0.4	
290	0.129	0.118	34.623	27.796	32.504	37.106	-1.12	29.4	-9.8	-2.3	
300	0.133	0.121	34.627	27.799	32.507	37.109	0.97	29.1	-6.6	-1.2	
325	0.307	0.294	34.639	27.799	32.501	37.098	-0.44	29.3	-8.4	-1.7	
350	0.396	0.381	34.646	27.799	32.499	37.094	-0.19	29.3	-7.5	-2.5	
375	0.433	0.417	34.649	27.800	32.499	37.092	-0.09	29.3	-6.3	-2.0	
400	0.467	0.450	34.657	27.804	32.502	37.094	0.72	29.0	-7.9	-2.0	
425	0.472	0.454	34.655	27.802	32.500	37.092	-0.48	29.2	-3.1	-2.8	
450	0.508	0.488	34.660	27.804	32.501	37.092	0.43	29.1	-4.8	-2.2	
475	0.501	0.480	34.659	27.804	32.501	37.092	-0.16	29.1	-5.7	-2.0	
500	0.500	0.478	34.659	27.804	32.501	37.093	0.14	29.1	-5.8	-3.0	

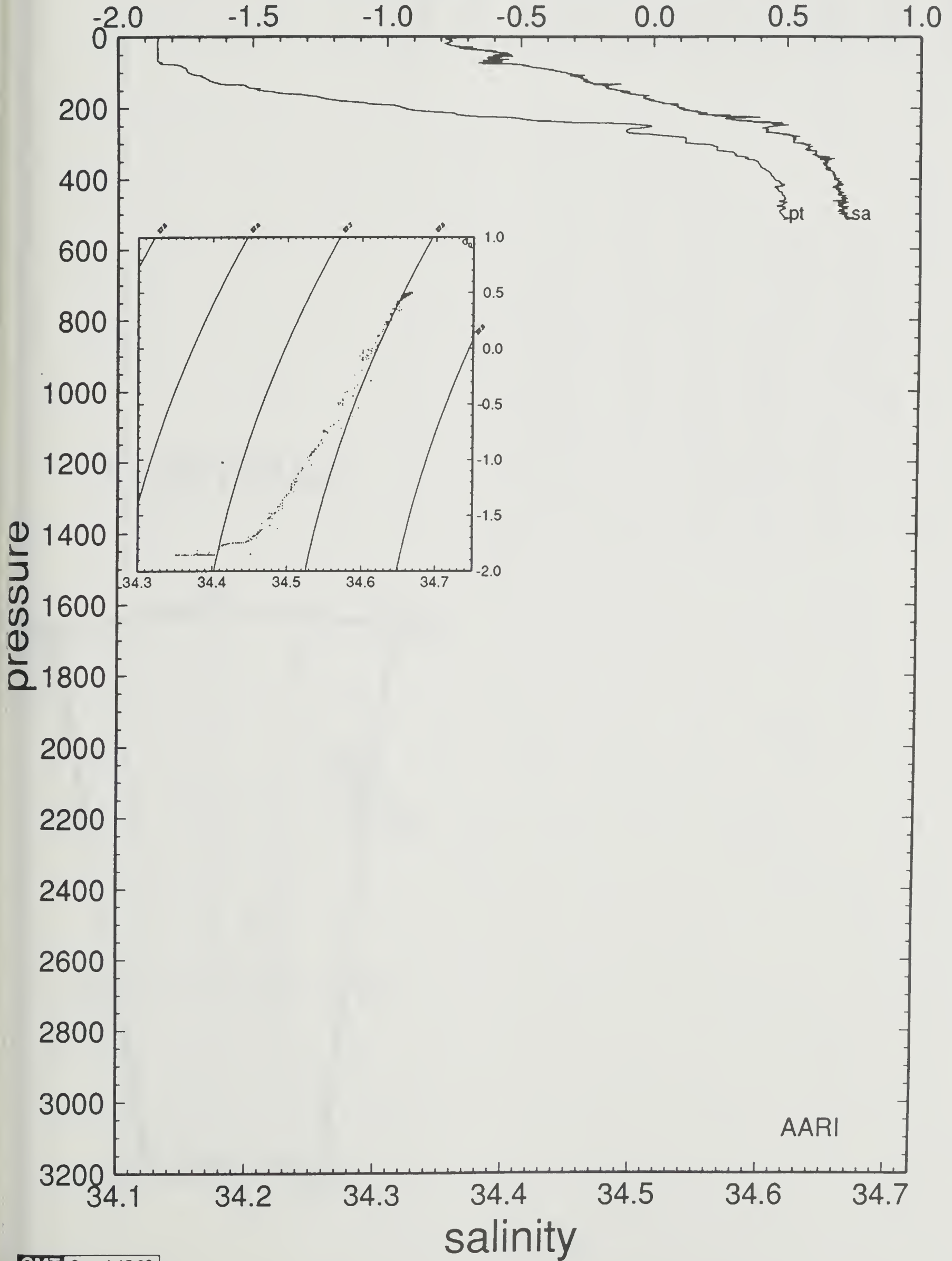
# AARI 058





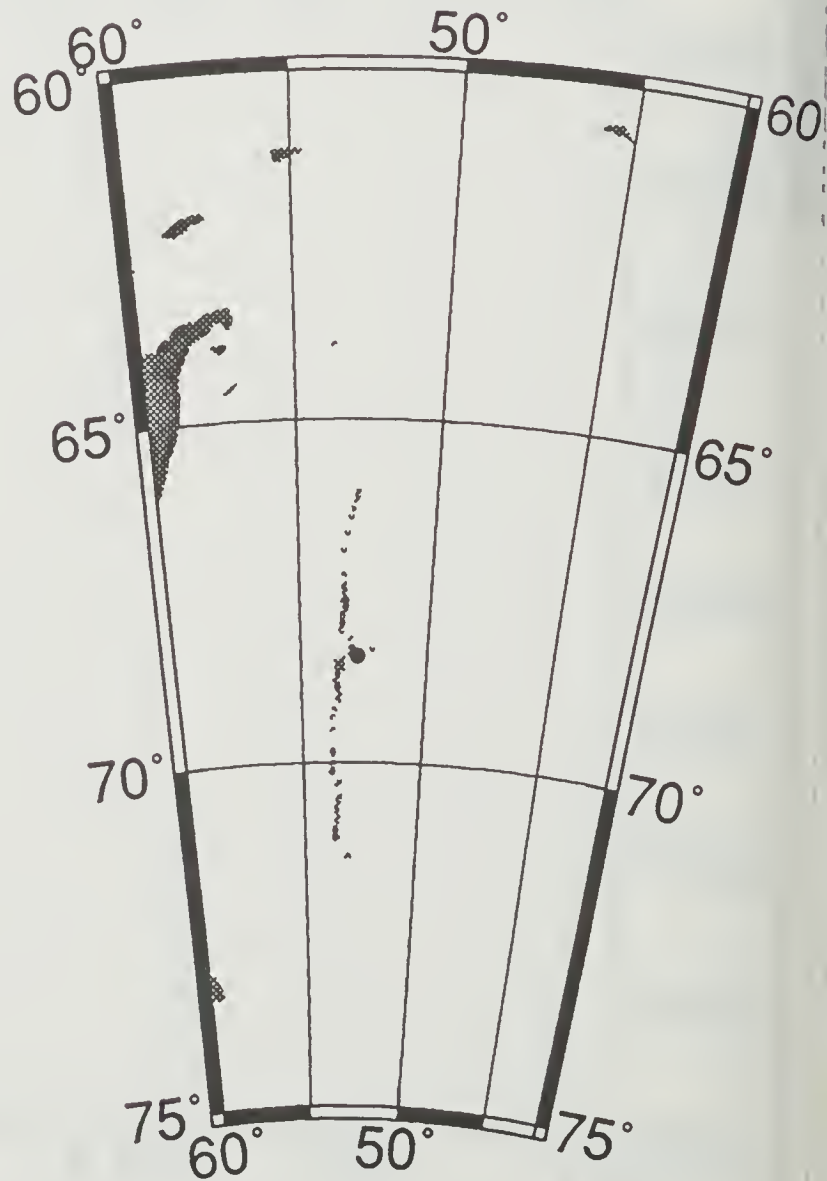
58 93/04/26 15:10 68 26.54 S 52 44.21 W

# potential temperature



ISW-1	-68.4423 S	-52.7368 W	93/04/26	117	15:32	RUSS_CTD # 58				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
500	0.500	0.478	34.664	27.808	32.505	37.097	0.11	28.8	-0.5	-8.5
550	0.551	0.526	34.669	27.809	32.505	37.095	0.15	28.8	-7.0	-8.4
600	0.559	0.532	34.672	27.811	32.507	37.097	0.35	28.7	-6.3	-5.5
650	0.561	0.531	34.674	27.813	32.508	37.098	0.32	28.6	-8.6	-5.7
700	0.549	0.517	34.675	27.815	32.511	37.101	0.35	28.5	-7.2	-4.3
750	0.526	0.491	34.673	27.815	32.511	37.102	0.17	28.5	-2.5	-4.4
800	0.505	0.468	34.675	27.818	32.515	37.107	0.47	28.2	-5.4	-7.2
850	0.476	0.436	34.675	27.820	32.518	37.110	0.40	28.0	-0.1	-5.7
900	0.450	0.408	34.676	27.822	32.521	37.114	0.45	27.8	-3.5	-7.0
950	0.417	0.372	34.675	27.823	32.523	37.118	0.37	27.6	-4.0	-6.6
1000	0.393	0.346	34.675	27.825	32.526	37.121	0.38	27.4	-3.5	-7.9

AARI 058\_2



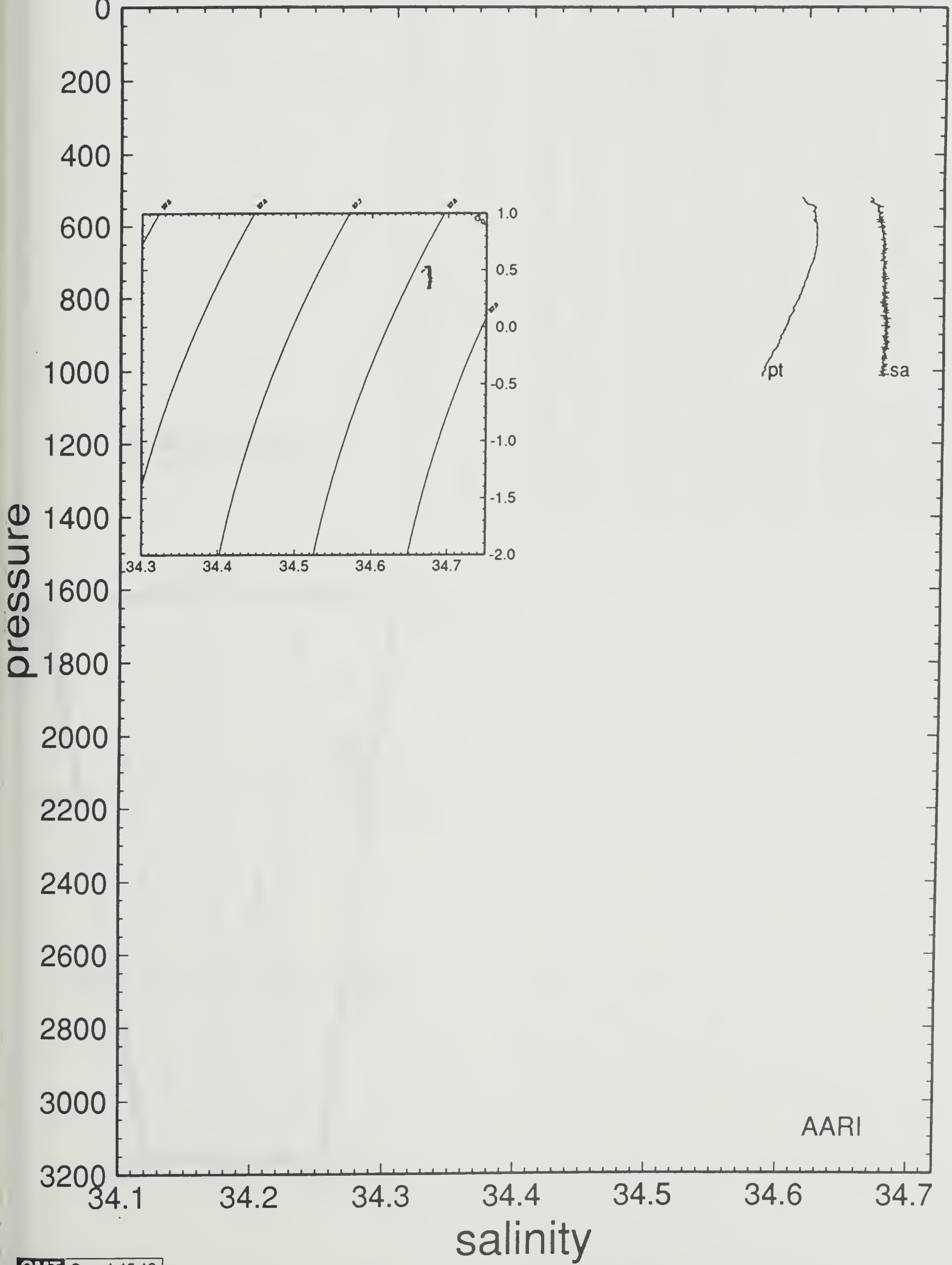
58

93/04/26 15:32

68 26.54 S 52 44.21 W

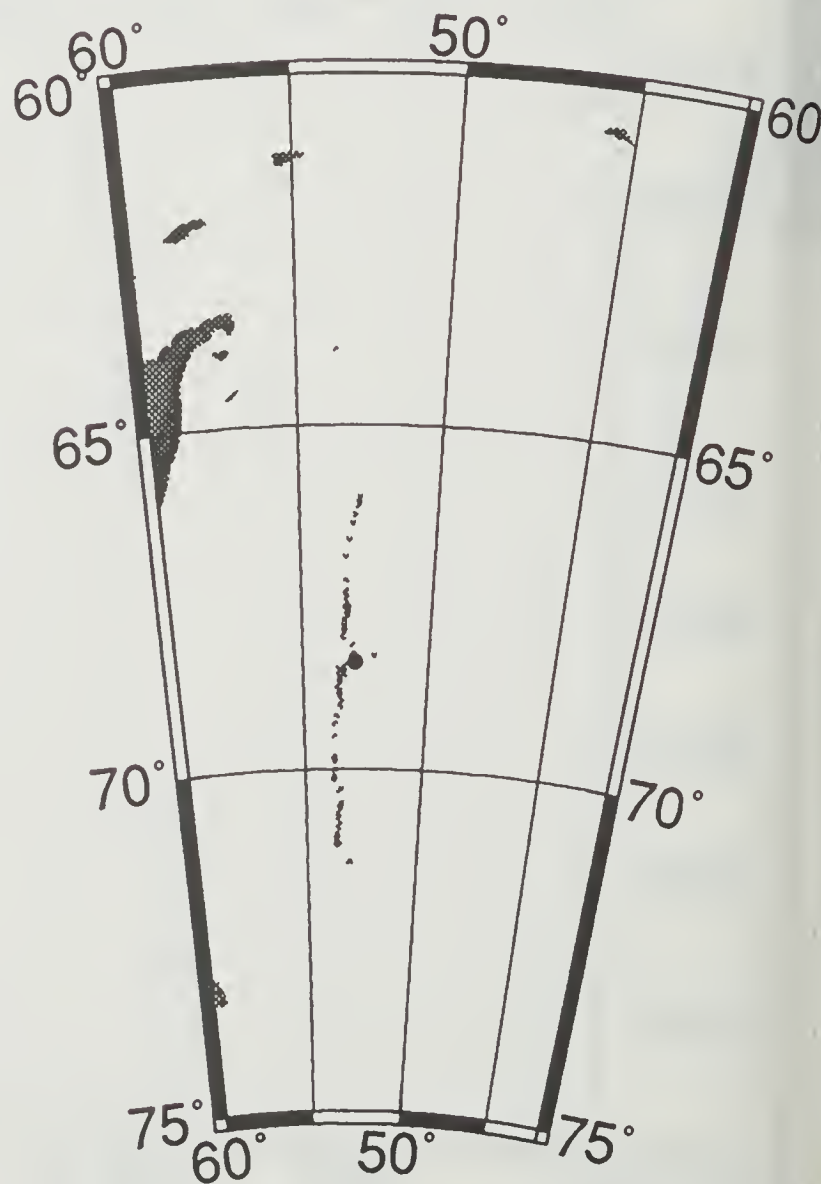
# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



ISW-1	-68.4413 S	-52.9183 W	93/04/27	118	16:55	RUSS CTD # 59					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.816	-1.816	34.379	27.677	32.446	37.108	0.00	40.7	9.4	-17.0	
10	-1.852	-1.852	34.379	27.678	32.448	37.111	0.55	40.5	7.6	-4.1	
20	-1.852	-1.852	34.380	27.678	32.449	37.112	0.51	40.4	9.9	-5.0	
30	-1.845	-1.846	34.385	27.682	32.453	37.116	1.10	40.0	5.6	-8.0	
40	-1.799	-1.800	34.423	27.712	32.481	37.142	3.05	37.1	1.6	-2.8	
50	-1.753	-1.754	34.454	27.736	32.503	37.162	2.73	34.8	9.0	-0.9	
60	-1.743	-1.744	34.463	27.743	32.509	37.169	1.48	34.1	10.3	-11.9	
70	-1.738	-1.739	34.466	27.745	32.512	37.171	0.85	33.8	2.5	-13.8	
80	-1.732	-1.734	34.470	27.748	32.514	37.173	0.98	33.4	-2.1	-11.6	
90	-1.728	-1.730	34.470	27.748	32.514	37.173	-0.19	33.4	-3.8	-7.8	
100	-1.729	-1.731	34.471	27.749	32.515	37.174	0.52	33.2	-3.9	-6.7	
110	-1.729	-1.731	34.474	27.752	32.517	37.176	0.87	33.0	-1.1	-2.1	
120	-1.720	-1.723	34.477	27.754	32.519	37.178	0.82	32.7	4.8	0.8	
130	-1.695	-1.698	34.480	27.755	32.520	37.178	0.71	32.5	9.6	-4.1	
140	-1.696	-1.699	34.479	27.755	32.520	37.177	-0.49	32.5	5.1	-9.3	
150	-1.666	-1.669	34.483	27.757	32.521	37.178	0.84	32.2	-0.9	-6.0	
160	-1.632	-1.636	34.488	27.760	32.523	37.179	0.95	31.9	2.3	0.2	
170	-1.521	-1.525	34.497	27.764	32.523	37.175	1.03	31.5	10.6	-0.3	
180	-1.446	-1.450	34.499	27.763	32.520	37.170	-0.60	31.6	10.3	-9.6	
190	-1.402	-1.407	34.512	27.772	32.528	37.176	1.66	30.7	7.1	-12.5	
200	-1.311	-1.316	34.523	27.778	32.531	37.176	1.29	30.2	2.6	-11.7	
210	-1.202	-1.208	34.528	27.779	32.528	37.170	-0.38	30.2	0.3	-8.8	
220	-1.040	-1.046	34.541	27.783	32.527	37.164	1.04	29.8	1.1	-6.3	
230	-0.786	-0.793	34.566	27.793	32.529	37.159	1.61	29.0	0.1	-5.2	
240	-0.640	-0.648	34.578	27.797	32.528	37.153	0.87	28.7	0.2	-4.9	
250	-0.562	-0.570	34.578	27.793	32.522	37.145	-1.12	29.1	-0.6	-2.0	
260	-0.491	-0.500	34.593	27.802	32.529	37.150	1.62	28.3	-1.1	0.9	
270	-0.303	-0.312	34.609	27.806	32.527	37.142	0.89	28.0	-0.4	0.9	
280	-0.145	-0.155	34.614	27.803	32.519	37.129	-1.26	28.5	2.1	2.1	
290	-0.016	-0.027	34.625	27.805	32.517	37.124	0.60	28.4	7.6	1.9	
300	0.103	0.091	34.632	27.804	32.513	37.116	-0.73	28.6	11.9	0.2	
325	0.182	0.169	34.637	27.804	32.510	37.111	-0.34	28.7	4.6	-3.6	
350	0.295	0.281	34.648	27.807	32.510	37.107	0.43	28.5	16.4	-10.0	
375	0.366	0.350	34.654	27.808	32.508	37.104	0.10	28.5	3.2	-13.8	
400	0.406	0.389	34.656	27.807	32.507	37.101	-0.37	28.7	-0.4	-7.3	
425	0.452	0.434	34.666	27.812	32.511	37.103	0.78	28.2	-1.0	-6.0	
450	0.492	0.472	34.667	27.811	32.508	37.100	-0.50	28.4	0.8	-3.7	
475	0.517	0.496	34.670	27.812	32.508	37.099	0.29	28.4	1.3	-1.4	
500	0.547	0.525	34.674	27.813	32.509	37.099	0.37	28.3	4.4	0.3	
550	0.574	0.549	34.676	27.814	32.508	37.098	-0.12	28.4	13.1	-7.6	
600	0.580	0.553	34.681	27.817	32.512	37.101	0.48	28.1	12.9	-11.1	
650	0.575	0.545	34.682	27.819	32.514	37.103	0.29	28.1	5.6	-8.0	
700	0.563	0.531	34.682	27.820	32.515	37.105	0.27	28.0	3.7	-8.2	
750	0.538	0.503	34.684	27.823	32.519	37.109	0.49	27.7	5.5	-6.1	
800	0.505	0.468	34.683	27.824	32.521	37.113	0.36	27.6	4.8	-8.7	
850	0.477	0.437	34.683	27.826	32.524	37.116	0.40	27.4	6.6	-7.2	
900	0.449	0.407	34.683	27.828	32.527	37.120	0.40	27.2	7.4	-9.4	
950	0.416	0.371	34.683	27.830	32.530	37.124	0.44	27.0	8.0	-9.5	
1000	0.387	0.340	34.682	27.831	32.532	37.127	0.35	26.9	9.1	-8.2	

AARI 059

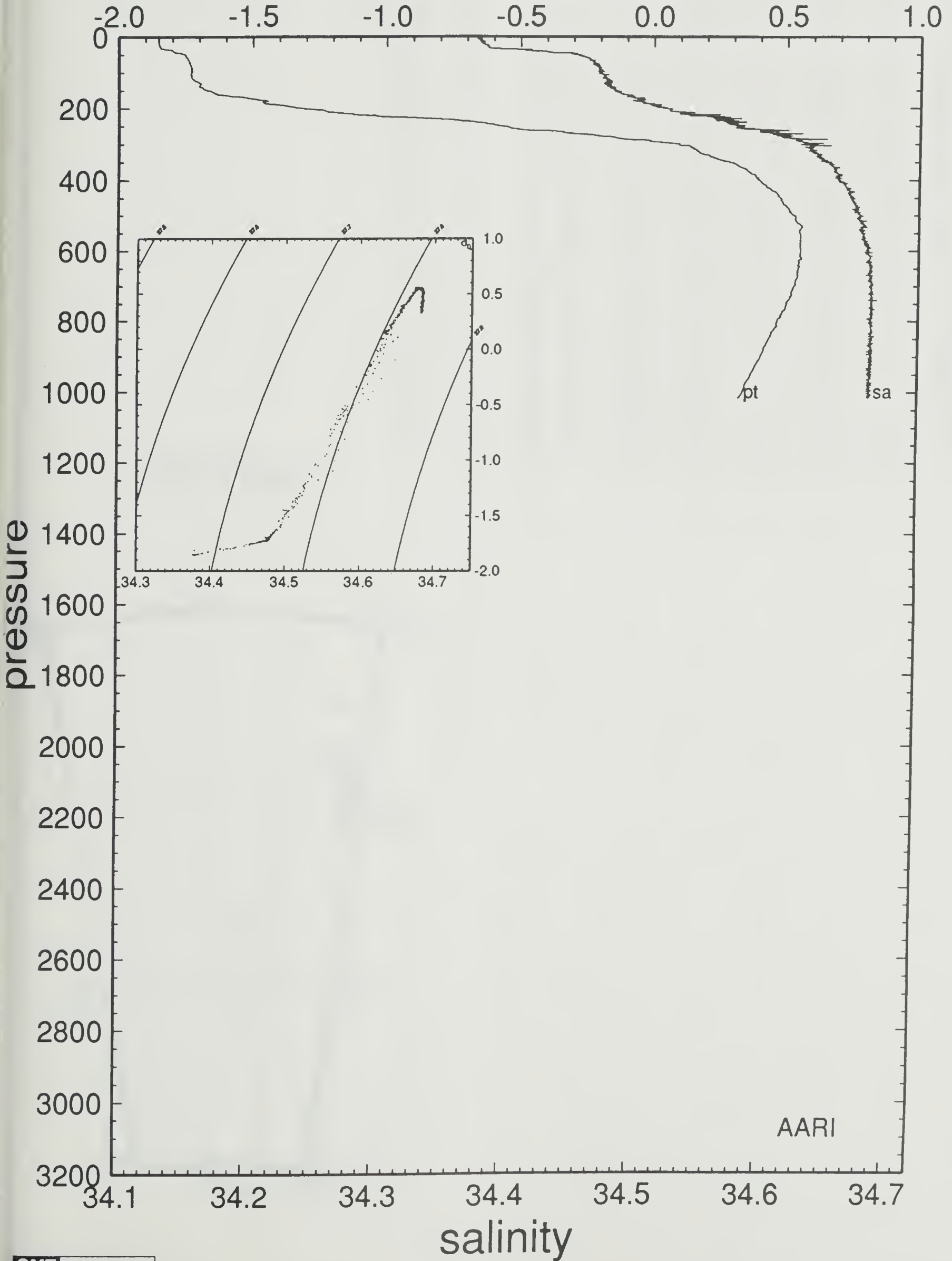


59

93/04/27 16:55

68 26.48 S 52 55.10 W

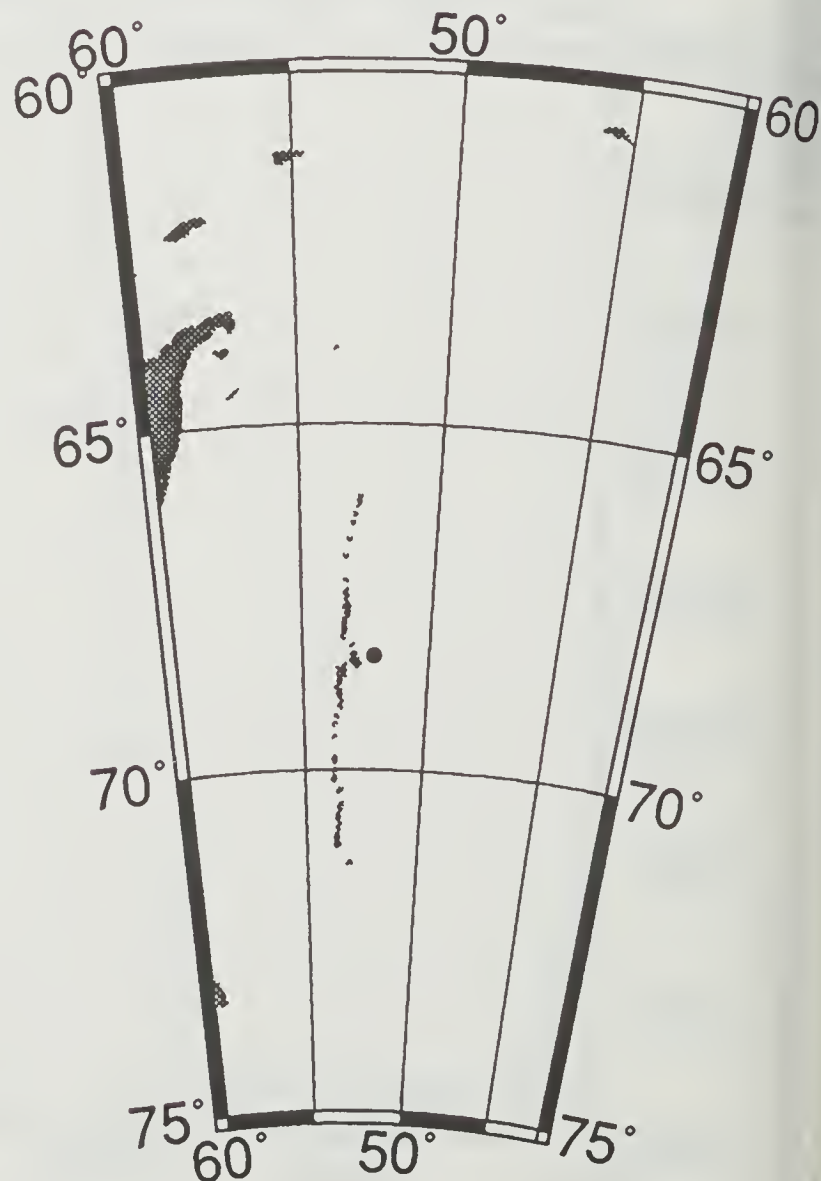
# potential temperature



AARI

ISW-1	-68.3418 S	-52.1717 W	93/04/28	119	15:39	RUSS CTD #60					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.836	-1.836	34.351	27.654	32.425	37.088	0.00	42.8	17.2	-13.5	
10	-1.861	-1.861	34.374	27.674	32.445	37.108	2.46	40.9	12.5	-15.8	
20	-1.861	-1.861	34.375	27.675	32.445	37.109	0.51	40.7	3.6	-14.0	
30	-1.860	-1.861	34.377	27.676	32.447	37.111	0.71	40.5	-0.6	-12.6	
40	-1.860	-1.861	34.377	27.676	32.447	37.111	0.04	40.5	-0.2	-9.4	
50	-1.860	-1.861	34.381	27.679	32.450	37.114	1.01	40.1	0.3	-7.0	
60	-1.803	-1.804	34.412	27.703	32.472	37.133	2.72	37.8	1.5	-3.2	
70	-1.736	-1.737	34.455	27.736	32.503	37.162	3.21	34.6	1.6	-3.1	
80	-1.729	-1.731	34.456	27.737	32.503	37.162	0.44	34.5	3.1	-0.2	
90	-1.731	-1.733	34.466	27.745	32.511	37.170	1.60	33.7	5.4	0.5	
100	-1.701	-1.703	34.470	27.747	32.513	37.170	0.85	33.4	7.9	1.5	
110	-1.663	-1.665	34.475	27.750	32.514	37.171	0.94	33.1	10.5	1.3	
120	-1.644	-1.647	34.480	27.754	32.517	37.173	1.04	32.7	11.1	0.1	
130	-1.608	-1.611	34.478	27.751	32.513	37.168	-0.94	32.9	13.3	-2.0	
140	-1.589	-1.592	34.483	27.755	32.516	37.171	1.03	32.5	11.7	-4.8	
150	-1.448	-1.452	34.516	27.777	32.534	37.184	2.61	30.4	14.0	-8.4	
160	-1.345	-1.349	34.501	27.762	32.515	37.162	-2.24	31.9	11.0	-8.8	
170	-1.279	-1.283	34.507	27.764	32.516	37.161	0.84	31.7	7.4	-12.1	
180	-1.208	-1.213	34.525	27.776	32.526	37.168	1.91	30.5	3.8	-9.7	
190	-1.091	-1.096	34.523	27.770	32.516	37.155	-1.43	31.1	4.0	-8.7	
200	-1.026	-1.032	34.528	27.772	32.516	37.153	0.62	30.9	3.7	-6.7	
210	-0.916	-0.922	34.541	27.778	32.519	37.152	1.32	30.4	4.3	-4.2	
220	-0.654	-0.661	34.571	27.792	32.524	37.149	1.91	29.3	6.8	-2.2	
230	-0.484	-0.492	34.574	27.787	32.513	37.134	-1.41	29.8	9.4	-0.1	
240	-0.375	-0.383	34.583	27.789	32.512	37.129	0.67	29.7	13.4	0.2	
250	-0.333	-0.342	34.589	27.792	32.514	37.130	0.89	29.4	17.4	-0.1	
260	-0.242	-0.251	34.600	27.796	32.515	37.128	1.08	29.1	20.6	-5.5	
270	-0.097	-0.107	34.611	27.798	32.513	37.121	0.37	29.0	20.5	-11.3	
280	0.016	0.005	34.621	27.800	32.511	37.117	0.63	28.9	19.3	-14.5	
290	0.099	0.088	34.628	27.801	32.510	37.113	0.40	28.8	14.0	-14.8	
300	0.159	0.147	34.637	27.805	32.512	37.113	1.04	28.5	13.5	-15.4	
325	0.251	0.238	34.645	27.807	32.511	37.109	0.26	28.5	15.6	-18.5	
350	0.331	0.317	34.649	27.805	32.507	37.104	-0.50	28.7	12.3	-14.0	
375	0.391	0.375	34.656	27.808	32.508	37.102	0.45	28.5	13.8	-18.3	
400	0.395	0.378	34.655	27.807	32.507	37.101	-0.35	28.7	12.8	-14.9	
425	0.432	0.414	34.657	27.806	32.505	37.099	-0.34	28.8	13.0	-13.1	
450	0.470	0.451	34.662	27.808	32.506	37.098	0.42	28.7	13.0	-14.4	
475	0.495	0.474	34.666	27.810	32.507	37.099	0.43	28.5	12.6	-13.5	
500	0.496	0.474	34.667	27.811	32.508	37.099	0.32	28.5	13.8	-14.2	
550	0.534	0.509	34.671	27.812	32.508	37.098	0.19	28.5	13.2	-12.1	
600	0.546	0.519	34.674	27.814	32.510	37.100	0.32	28.4	15.5	-12.2	
650	0.557	0.527	34.676	27.815	32.510	37.100	0.24	28.4	14.6	-12.0	
700	0.548	0.516	34.678	27.817	32.513	37.103	0.40	28.2	14.3	-11.1	

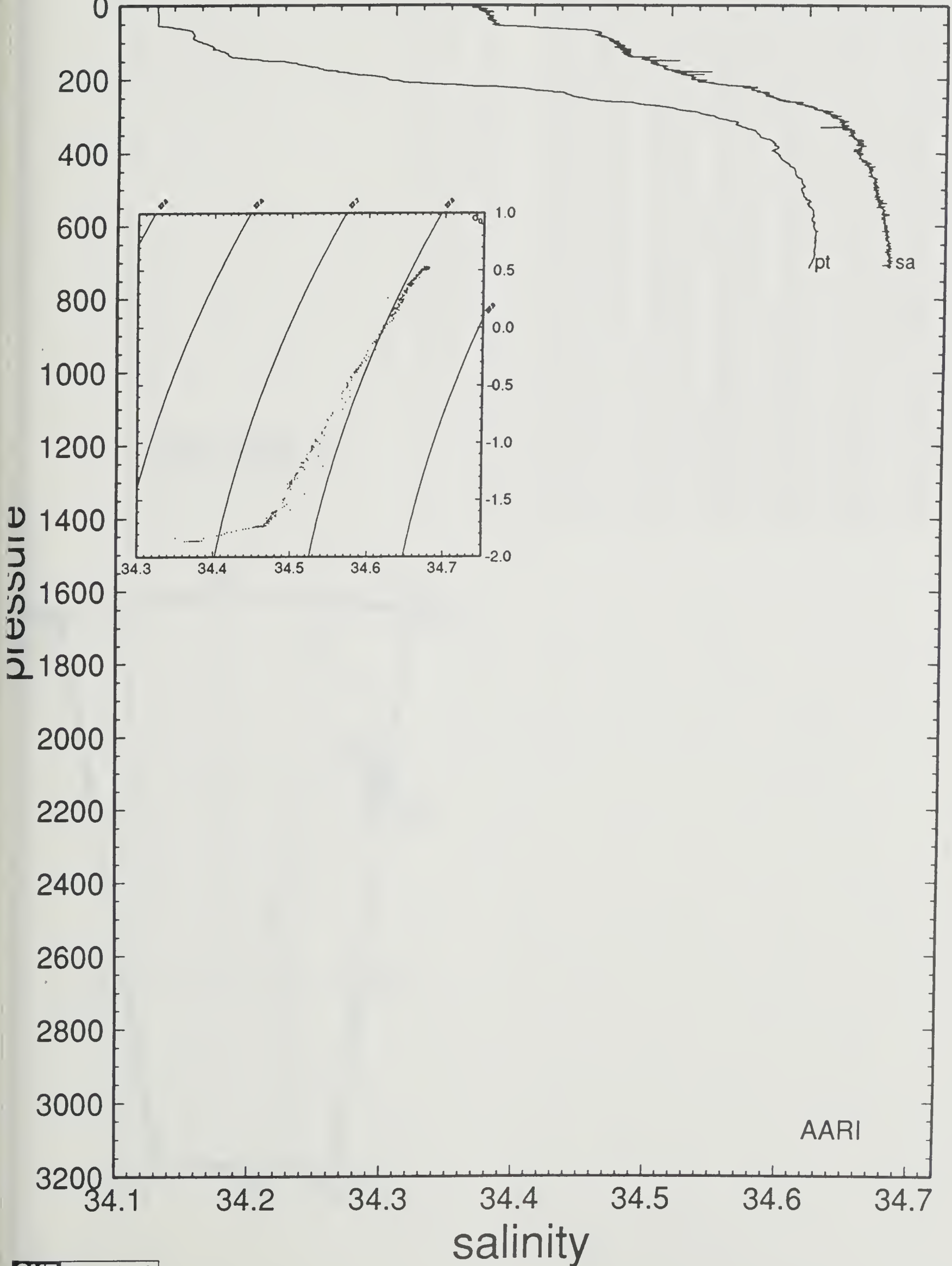
# AARI 060



60 93/04/28 15:39 68 20.51 S 52 10.30 W

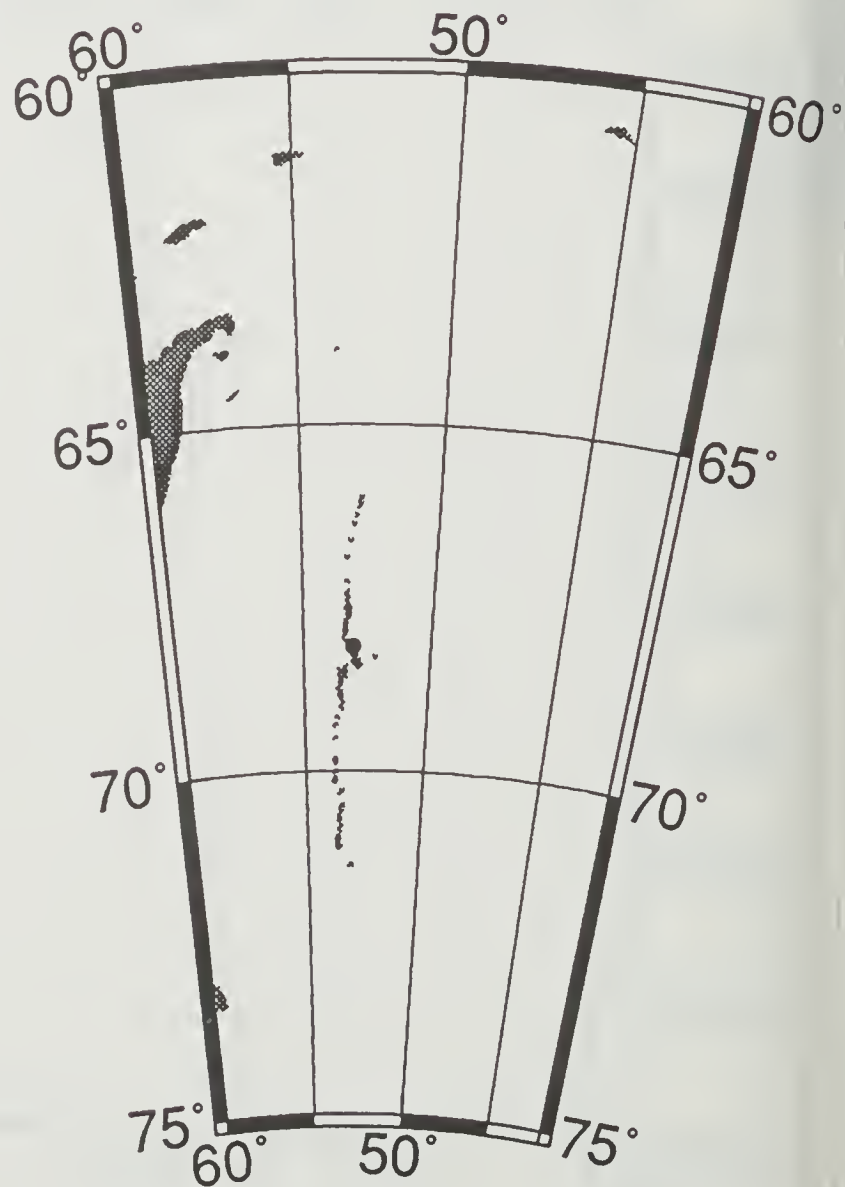
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-1	-68.1855 S	-53.0355 W	93/04/29	120	15:31	RUSS CTD # 61					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.834	-1.834	34.411	27.703	32.473	37.135	0.00	38.2	15.5	-13.8	
10	-1.840	-1.840	34.432	27.720	32.490	37.153	2.32	36.5	7.9	-9.4	
20	-1.840	-1.840	34.406	27.699	32.469	37.132	-2.57	38.4	5.3	-2.7	
30	-1.837	-1.838	34.408	27.701	32.471	37.133	0.70	38.2	4.4	-3.3	
40	-1.776	-1.777	34.438	27.723	32.491	37.152	2.66	36.0	6.6	-1.1	
50	-1.741	-1.742	34.443	27.727	32.493	37.152	0.98	35.7	7.8	-2.4	
60	-1.733	-1.734	34.440	27.724	32.490	37.149	-0.91	35.8	10.6	-2.3	
70	-1.718	-1.719	34.447	27.729	32.495	37.154	1.28	35.3	10.2	-1.8	
80	-1.715	-1.717	34.455	27.736	32.501	37.160	1.42	34.6	12.8	-3.9	
90	-1.708	-1.710	34.459	27.739	32.504	37.162	0.98	34.3	12.8	-6.5	
100	-1.696	-1.698	34.459	27.738	32.503	37.161	-0.34	34.3	10.7	-7.4	
110	-1.679	-1.681	34.463	27.741	32.506	37.163	0.92	34.0	7.8	-10.3	
120	-1.646	-1.649	34.464	27.741	32.504	37.161	-0.29	33.9	4.9	-7.9	
130	-1.619	-1.622	34.469	27.744	32.507	37.162	0.99	33.6	3.9	-5.3	
140	-1.567	-1.570	34.475	27.748	32.508	37.162	0.98	33.2	5.2	-0.7	
150	-1.510	-1.513	34.479	27.749	32.508	37.160	0.62	33.1	8.6	2.6	
160	-1.535	-1.539	34.484	27.754	32.514	37.166	1.25	32.5	16.4	1.2	
170	-1.425	-1.429	34.489	27.755	32.511	37.160	0.03	32.5	17.7	-3.8	
180	-1.302	-1.307	34.503	27.762	32.514	37.160	1.43	31.8	15.0	-6.4	
190	-1.230	-1.235	34.509	27.764	32.514	37.157	0.78	31.6	12.9	-8.0	
200	-1.040	-1.046	34.531	27.775	32.519	37.156	1.74	30.7	11.4	-6.6	
210	-0.844	-0.850	34.539	27.774	32.512	37.143	-0.88	30.9	10.8	-7.3	
220	-0.709	-0.716	34.552	27.779	32.512	37.140	1.12	30.5	11.4	-8.5	
230	-0.546	-0.553	34.565	27.782	32.511	37.133	0.84	30.2	11.4	-8.3	
240	-0.416	-0.424	34.572	27.782	32.507	37.125	-0.62	30.3	11.1	-10.0	
250	-0.241	-0.250	34.573	27.774	32.494	37.107	-1.67	31.1	11.0	-11.4	
260	-0.089	-0.099	34.602	27.790	32.505	37.113	2.14	29.8	9.8	-10.9	
270	-0.020	-0.030	34.609	27.792	32.505	37.111	0.69	29.6	9.8	-12.0	
280	0.058	0.047	34.616	27.794	32.504	37.108	0.53	29.5	9.4	-11.8	
290	0.110	0.099	34.619	27.793	32.502	37.105	-0.50	29.6	10.2	-12.1	
300	0.175	0.163	34.628	27.797	32.504	37.105	0.99	29.3	9.5	-12.8	
325	0.295	0.282	34.643	27.803	32.506	37.103	0.74	28.9	10.8	-12.2	
350	0.351	0.337	34.642	27.799	32.500	37.096	-0.75	29.3	9.8	-9.9	
375	0.399	0.383	34.645	27.798	32.498	37.093	-0.31	29.4	10.3	-10.3	
400	0.446	0.429	34.653	27.802	32.501	37.094	0.64	29.1	10.5	-10.5	
425	0.477	0.459	34.657	27.804	32.501	37.093	0.37	29.1	11.8	-10.4	
450	0.515	0.495	34.662	27.806	32.502	37.093	0.41	29.0	11.7	-9.9	
475	0.544	0.523	34.663	27.805	32.500	37.091	-0.39	29.1	13.0	-10.3	
500	0.564	0.542	34.667	27.807	32.502	37.092	0.48	29.0	12.6	-10.1	
550	0.586	0.561	34.671	27.809	32.503	37.092	0.33	28.9	12.8	-8.5	
600	0.576	0.549	34.673	27.811	32.506	37.095	0.40	28.7	14.2	-8.0	
650	0.559	0.529	34.674	27.813	32.509	37.099	0.38	28.6	15.8	-7.4	
700	0.553	0.521	34.675	27.814	32.510	37.100	0.30	28.5	15.3	-5.2	
750	0.524	0.489	34.675	27.816	32.513	37.104	0.40	28.3	14.9	-5.7	
800	0.498	0.461	34.675	27.818	32.516	37.107	0.38	28.1	16.4	-7.0	
850	0.461	0.421	34.674	27.820	32.518	37.111	0.39	28.0	14.9	-5.6	
900	0.425	0.383	34.674	27.822	32.522	37.116	0.45	27.7	13.3	-3.1	
950	0.396	0.351	34.673	27.823	32.524	37.119	0.34	27.6	16.9	-5.2	
1000	0.368	0.321	34.674	27.825	32.527	37.123	0.46	27.3	14.1	-1.7	

AARI 061

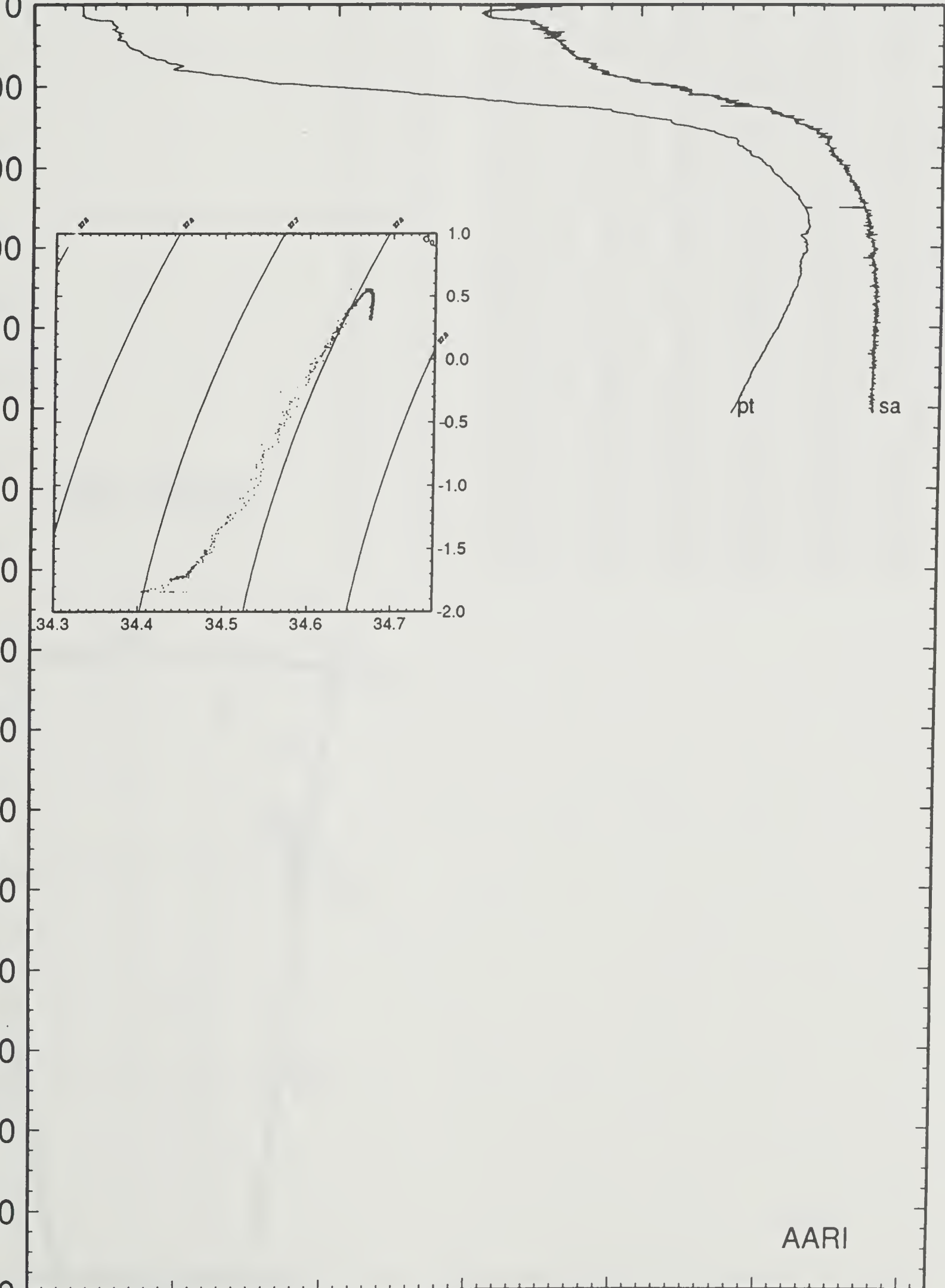




61 93/04/29 15:31 68 11.13 S 53 2.13 W

# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0

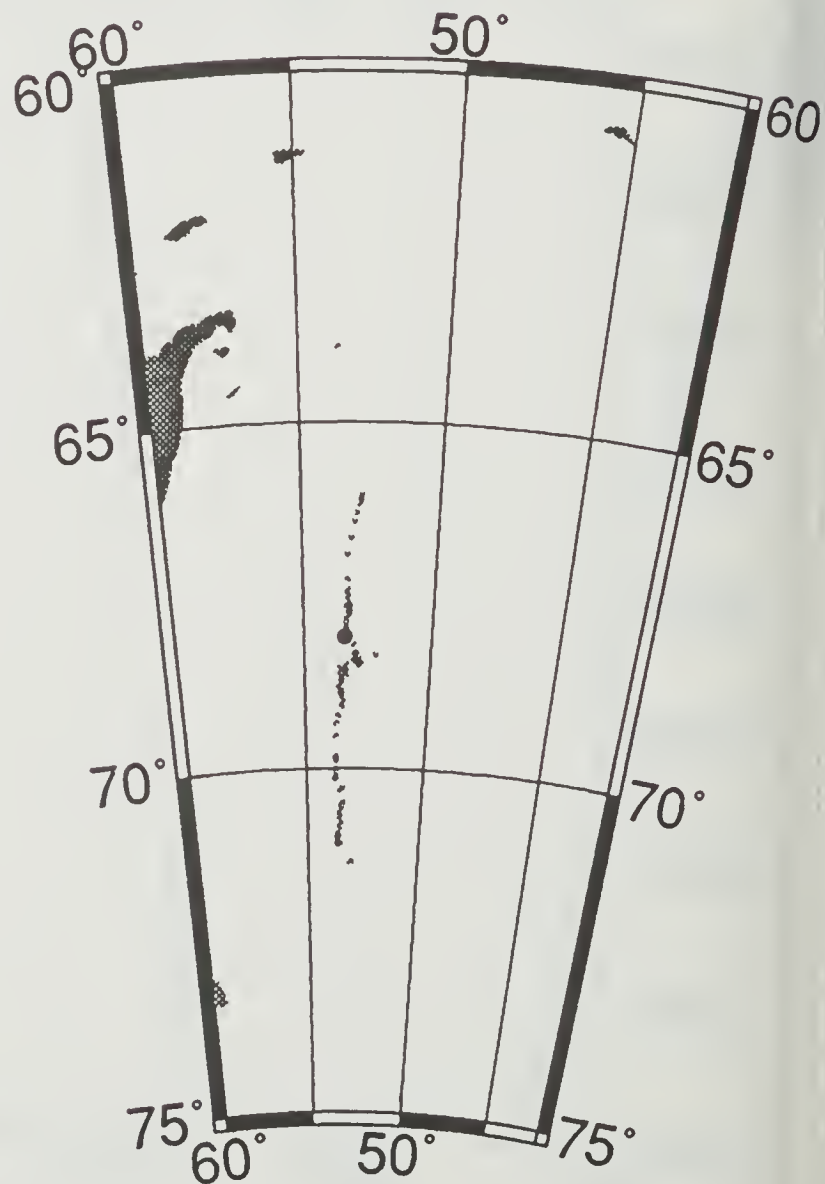


pressure

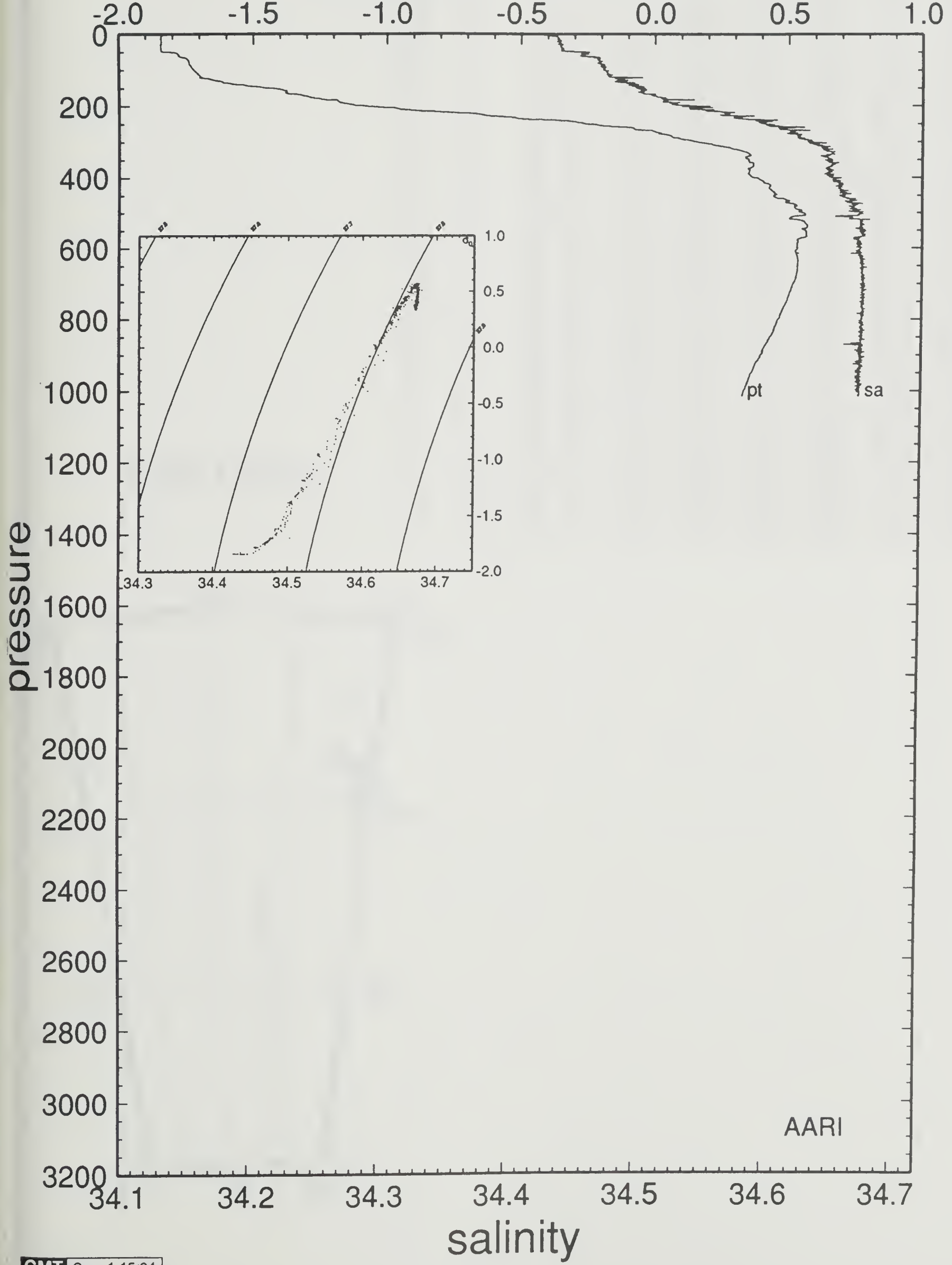
salinity

ISW-1	-68.0757 S	-53.409 W	93/04/30	121	19:03	RUSS CTD # 62						
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL		
0	-1.825	-1.825	34.437	27.724	32.493	37.155	0.00	36.2	10.2	3.4		
10	-1.843	-1.843	34.438	27.725	32.495	37.158	0.64	36.0	6.3	-2.7		
20	-1.843	-1.843	34.440	27.727	32.497	37.159	0.71	35.8	4.3	-3.3		
30	-1.844	-1.845	34.440	27.727	32.497	37.159	0.10	35.7	4.7	-3.0		
40	-1.844	-1.845	34.442	27.729	32.498	37.161	0.71	35.5	3.2	-3.9		
50	-1.826	-1.827	34.455	27.739	32.508	37.170	1.78	34.5	3.5	-3.9		
60	-1.776	-1.777	34.458	27.740	32.507	37.168	0.56	34.3	2.2	-2.9		
70	-1.745	-1.746	34.470	27.749	32.515	37.174	1.66	33.5	2.3	-3.0		
80	-1.738	-1.740	34.470	27.748	32.515	37.174	-0.25	33.4	2.9	-3.7		
90	-1.731	-1.733	34.471	27.749	32.515	37.174	0.43	33.3	2.3	-4.5		
100	-1.721	-1.723	34.473	27.750	32.516	37.175	0.64	33.1	1.4	-4.1		
110	-1.706	-1.708	34.476	27.752	32.518	37.176	0.78	32.9	1.2	-4.6		
120	-1.693	-1.696	34.478	27.754	32.519	37.176	0.62	32.7	0.1	-3.5		
130	-1.627	-1.630	34.484	27.757	32.519	37.175	0.92	32.4	0.4	-3.0		
140	-1.554	-1.557	34.497	27.765	32.525	37.178	1.59	31.6	-0.2	-2.5		
150	-1.452	-1.456	34.503	27.767	32.524	37.174	0.61	31.4	0.1	-2.4		
160	-1.374	-1.378	34.503	27.764	32.519	37.166	-0.96	31.7	0.8	-2.8		
170	-1.316	-1.320	34.510	27.768	32.521	37.166	1.04	31.3	0.0	-2.1		
180	-1.247	-1.252	34.518	27.772	32.523	37.166	1.08	30.9	0.8	-2.0		
190	-1.175	-1.180	34.522	27.773	32.521	37.162	0.29	30.8	0.6	-1.4		
200	-1.079	-1.085	34.536	27.781	32.526	37.164	1.50	30.1	0.7	-0.5		
210	-0.941	-0.947	34.540	27.779	32.519	37.154	-0.96	30.4	1.0	0.2		
220	-0.704	-0.711	34.570	27.793	32.527	37.153	2.01	29.1	1.1	-0.9		
230	-0.560	-0.567	34.575	27.791	32.520	37.142	-1.01	29.4	2.0	-1.7		
240	-0.368	-0.376	34.604	27.805	32.528	37.145	2.03	28.1	1.8	-4.5		
250	-0.259	-0.268	34.597	27.795	32.514	37.128	-1.91	29.2	2.3	-5.4		
260	-0.105	-0.115	34.625	27.809	32.524	37.133	2.07	27.9	3.2	-5.3		
270	-0.002	-0.012	34.618	27.799	32.510	37.116	-1.92	29.0	2.7	-5.4		
280	0.040	0.029	34.624	27.801	32.512	37.117	0.85	28.8	2.7	-5.2		
290	0.087	0.076	34.627	27.801	32.510	37.114	-0.38	28.8	2.1	-6.4		
300	0.159	0.147	34.633	27.802	32.509	37.110	0.31	28.8	0.7	-5.3		
325	0.333	0.320	34.647	27.804	32.506	37.102	-0.04	28.8	1.5	-4.2		
350	0.364	0.350	34.648	27.803	32.504	37.099	-0.39	29.0	1.7	-4.0		
375	0.366	0.350	34.646	27.801	32.502	37.097	-0.46	29.1	1.1	-3.8		
400	0.379	0.362	34.649	27.803	32.503	37.098	0.45	29.0	0.7	-3.1		
425	0.450	0.432	34.655	27.804	32.502	37.095	-0.11	29.0	1.2	-3.5		
450	0.470	0.451	34.659	27.806	32.504	37.096	0.48	28.9	0.9	-2.6		
475	0.537	0.516	34.668	27.809	32.505	37.095	0.55	28.7	1.3	-2.7		
500	0.571	0.549	34.672	27.810	32.505	37.095	0.31	28.6	2.4	-2.0		
550	0.585	0.560	34.674	27.811	32.506	37.095	0.21	28.6	2.0	-2.4		
600	0.558	0.531	34.672	27.811	32.507	37.097	0.20	28.6	1.3	-2.6		
650	0.563	0.533	34.674	27.813	32.508	37.098	0.30	28.6	-1.0	-0.4		
700	0.550	0.518	34.675	27.815	32.510	37.101	0.36	28.5	-0.1	-0.2		
750	0.527	0.492	34.673	27.815	32.511	37.102	0.17	28.5	2.0	0.8		
800	0.499	0.462	34.674	27.817	32.515	37.106	0.45	28.2	-0.9	2.7		
850	0.471	0.431	34.674	27.819	32.517	37.110	0.40	28.1	-0.9	1.2		
900	0.441	0.399	34.673	27.820	32.519	37.113	0.35	27.9	0.4	1.1		
950	0.409	0.364	34.671	27.820	32.521	37.115	0.29	27.9	0.2	2.4		
1000	0.383	0.336	34.671	27.822	32.523	37.119	0.39	27.7	-0.9	5.7		

AARI 062



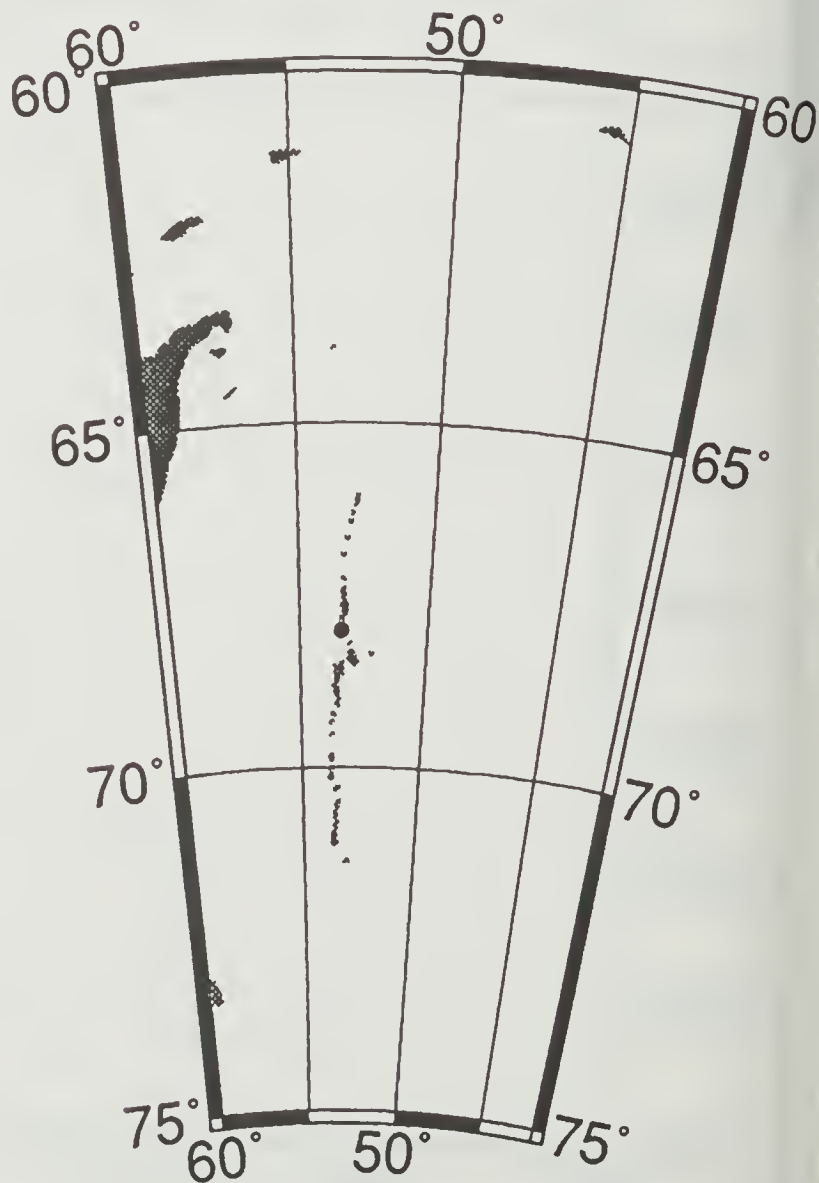
# potential temperature



AARI

ISW-1	-68.0045 S	-53.3695 W	93/05/01	122	17:21	RUSS CTD # 63					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.846	-1.846	34.430	27.719	32.489	37.151	0.00	36.7	10.9	-4.7	
10	-1.848	-1.848	34.439	27.726	32.496	37.159	1.52	35.9	4.7	-7.5	
20	-1.848	-1.848	34.441	27.728	32.498	37.160	0.71	35.7	3.7	-5.6	
30	-1.847	-1.848	34.439	27.726	32.496	37.159	-0.72	35.8	3.4	-6.3	
40	-1.847	-1.848	34.442	27.729	32.499	37.161	0.87	35.5	4.3	-6.1	
50	-1.847	-1.848	34.442	27.729	32.499	37.161	0.04	35.4	3.7	-5.2	
60	-1.845	-1.846	34.445	27.731	32.501	37.163	0.86	35.2	3.4	-4.1	
70	-1.772	-1.773	34.462	27.743	32.510	37.170	1.91	34.0	4.7	-5.8	
80	-1.748	-1.750	34.469	27.748	32.515	37.174	1.25	33.5	5.6	-5.0	
90	-1.731	-1.733	34.474	27.752	32.518	37.176	1.05	33.1	6.9	-6.5	
100	-1.707	-1.709	34.479	27.755	32.520	37.178	1.02	32.7	6.7	-6.7	
110	-1.685	-1.687	34.481	27.756	32.520	37.178	0.54	32.6	7.0	-7.2	
120	-1.675	-1.678	34.484	27.758	32.522	37.179	0.81	32.3	7.1	-6.9	
130	-1.643	-1.646	34.486	27.759	32.522	37.178	0.42	32.2	7.6	-7.5	
140	-1.552	-1.555	34.504	27.771	32.531	37.184	1.90	31.1	6.9	-5.6	
150	-1.476	-1.480	34.504	27.768	32.526	37.177	-0.92	31.3	6.8	-6.1	
160	-1.444	-1.448	34.504	27.767	32.524	37.174	-0.61	31.3	6.5	-5.1	
170	-1.337	-1.341	34.515	27.773	32.526	37.172	1.23	30.8	7.6	-4.1	
180	-1.177	-1.182	34.527	27.777	32.525	37.167	1.01	30.5	7.3	-4.4	
190	-1.047	-1.047	34.539	27.782	32.526	37.163	1.11	30.1	7.9	-3.2	
200	-0.900	-0.906	34.550	27.785	32.525	37.157	0.89	29.8	7.7	-5.5	
210	-0.826	-0.832	34.556	27.787	32.524	37.155	0.66	29.6	8.7	-4.8	
220	-0.647	-0.654	34.576	27.795	32.527	37.152	1.52	28.9	5.6	-5.3	
230	-0.449	-0.457	34.583	27.792	32.518	37.137	-1.20	29.3	6.2	-5.9	
240	-0.399	-0.407	34.594	27.799	32.523	37.141	1.39	28.7	5.9	-6.7	
250	-0.243	-0.252	34.603	27.799	32.518	37.131	-0.66	28.8	3.8	-7.3	
260	-0.201	-0.210	34.606	27.799	32.517	37.129	0.11	28.8	3.2	-8.6	
270	-0.114	-0.124	34.633	27.816	32.532	37.141	2.28	27.2	4.7	-7.3	
280	0.000	-0.011	34.625	27.804	32.516	37.122	-2.04	28.5	3.3	-8.8	
290	0.089	0.078	34.631	27.804	32.513	37.117	-0.45	28.6	3.1	-6.8	
300	0.166	0.154	34.643	27.810	32.517	37.117	1.23	28.1	4.2	-6.5	
325	0.283	0.270	34.648	27.807	32.511	37.108	-0.66	28.4	3.4	-4.8	
350	0.358	0.344	34.656	27.810	32.511	37.106	0.43	28.3	4.9	-3.3	
375	0.421	0.405	34.657	27.807	32.506	37.100	-0.66	28.7	8.5	-1.1	
400	0.490	0.473	34.668	27.812	32.509	37.100	0.71	28.3	9.1	-8.8	
425	0.521	0.503	34.673	27.814	32.510	37.101	0.48	28.2	5.5	-6.0	
450	0.545	0.525	34.674	27.813	32.509	37.099	-0.33	28.3	4.1	-5.7	
475	0.585	0.564	34.677	27.813	32.508	37.097	-0.24	28.3	5.3	-2.8	
500	0.568	0.546	34.676	27.814	32.509	37.098	0.26	28.3	5.9	-2.8	
550	0.558	0.533	34.674	27.813	32.508	37.098	-0.20	28.4	8.6	-2.6	
600	0.586	0.559	34.682	27.818	32.512	37.101	0.53	28.1	9.1	-6.1	
650	0.568	0.538	34.683	27.820	32.515	37.105	0.39	27.9	5.6	-4.1	
700	0.557	0.525	34.684	27.821	32.517	37.107	0.34	27.8	8.3	-1.5	
750	0.534	0.499	34.683	27.822	32.519	37.109	0.28	27.8	9.6	-3.7	
800	0.500	0.463	34.684	27.825	32.523	37.114	0.49	27.5	10.0	-5.1	
850	0.469	0.429	34.684	27.827	32.525	37.118	0.42	27.3	8.4	-3.3	
900	0.433	0.391	34.685	27.830	32.530	37.123	0.50	27.0	8.2	-1.7	
950	0.405	0.360	34.683	27.830	32.531	37.125	0.25	26.9	8.7	-2.2	
1000	0.376	0.329	34.682	27.831	32.533	37.128	0.35	26.8	6.8	-2.9	

AARI 063

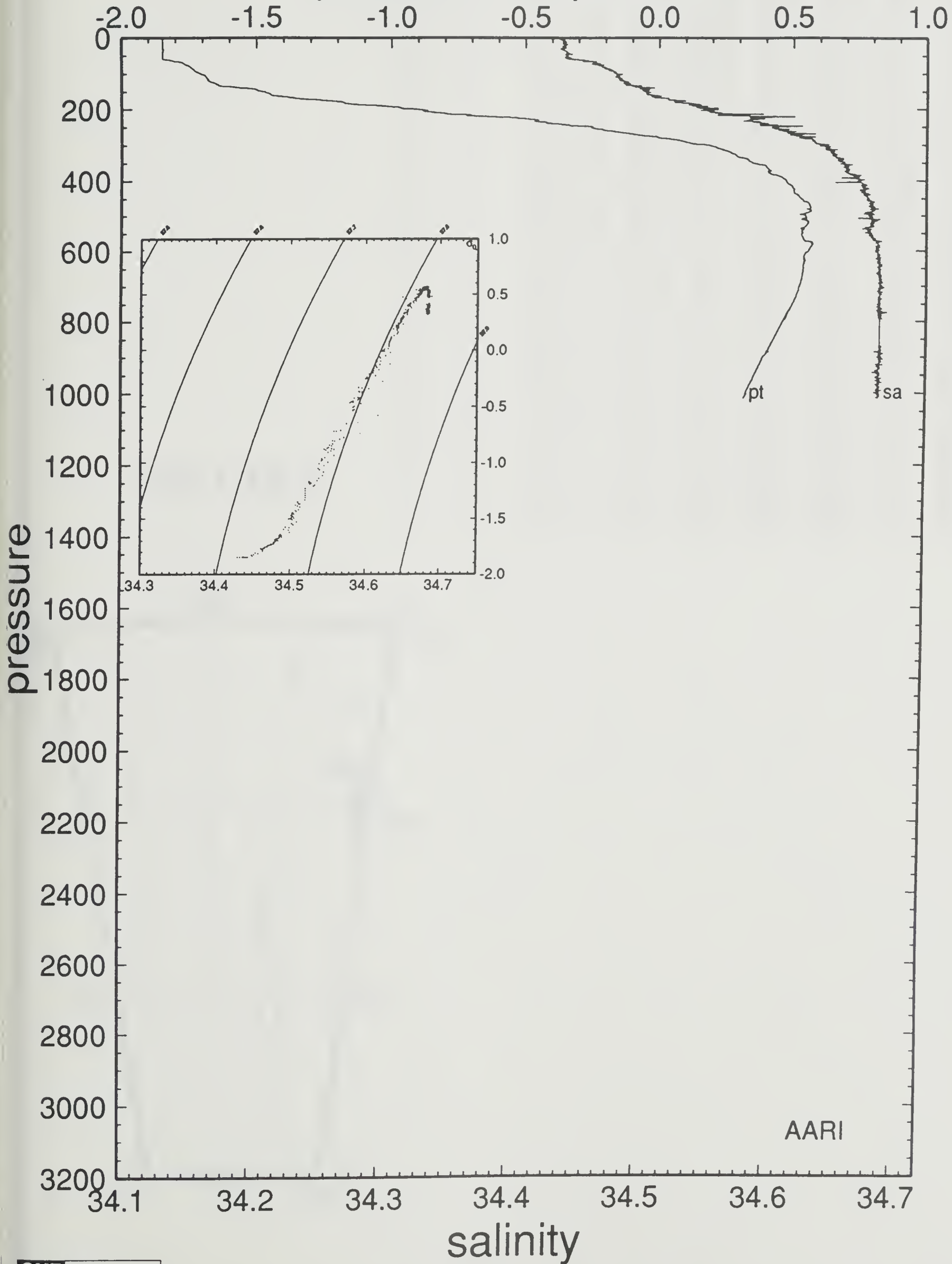


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93/05/01 17:21

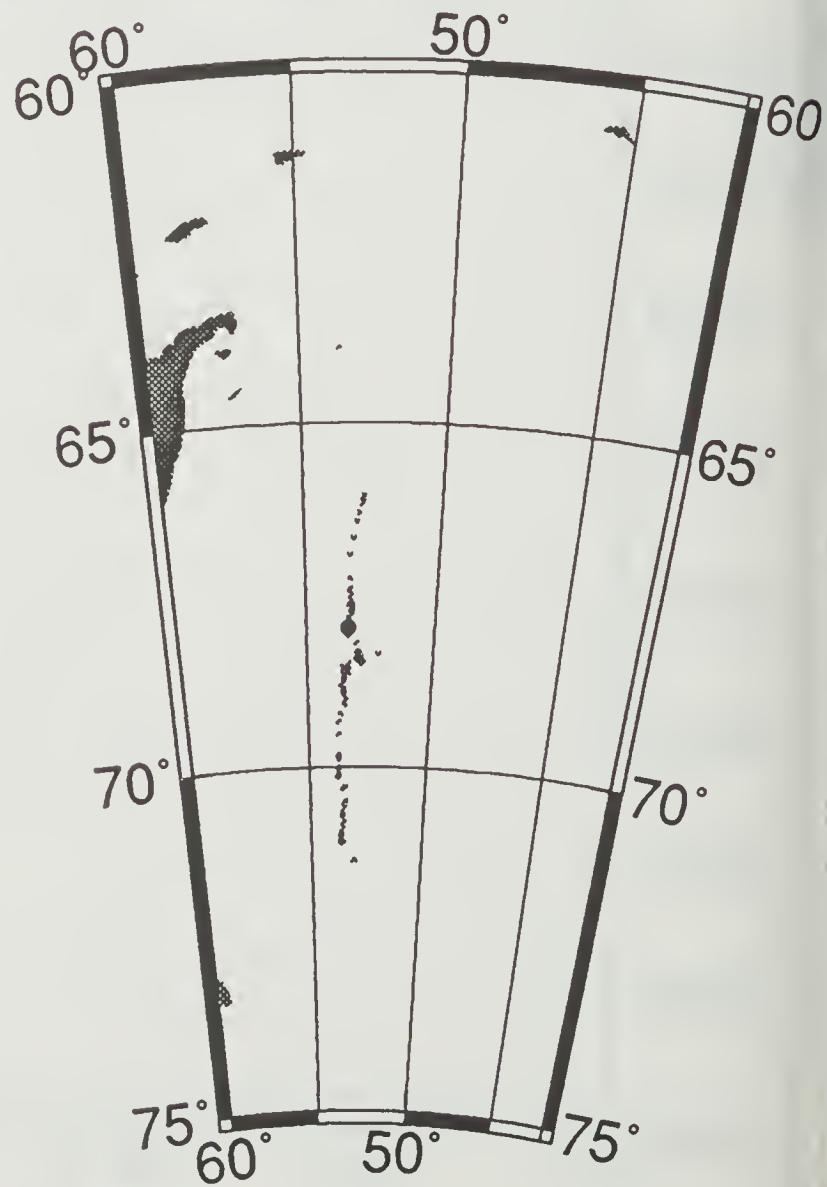
68 0.27 S 53 22.17 W

# potential temperature



ISW-1	-67.97	S	-53.3747	W	93/05/02	123	16:24	RUSS	CTD	# 64		
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL		
0	-0.896	-0.896	33.980	27.323	32.067	36.705	0.00	74.2	7.5	-4.2		
10	-1.842	-1.842	34.372	27.672	32.442	37.105	10.45	41.1	6.8	-6.9		
20	-1.857	-1.857	34.390	27.687	32.457	37.121	2.17	39.6	5.0	-7.0		
30	-1.859	-1.860	34.399	27.694	32.465	37.128	1.52	38.8	3.4	-6.5		
40	-1.860	-1.861	34.403	27.697	32.468	37.131	1.01	38.5	3.0	-5.9		
50	-1.861	-1.862	34.406	27.700	32.470	37.134	0.88	38.2	2.9	-5.8		
60	-1.862	-1.863	34.410	27.703	32.474	37.137	1.01	37.8	2.4	-4.7		
70	-1.862	-1.863	34.412	27.705	32.475	37.139	0.71	37.6	1.1	-6.4		
80	-1.863	-1.865	34.415	27.707	32.478	37.141	0.88	37.3	3.0	-3.5		
90	-1.863	-1.865	34.419	27.710	32.481	37.144	1.01	36.9	3.4	-3.1		
100	-1.829	-1.831	34.427	27.716	32.486	37.148	1.31	36.3	5.2	-2.2		
110	-1.763	-1.765	34.448	27.731	32.499	37.159	2.17	34.9	8.3	-4.6		
120	-1.704	-1.707	34.466	27.744	32.510	37.168	2.00	33.6	8.8	-6.3		
130	-1.585	-1.588	34.487	27.758	32.519	37.173	2.02	32.3	7.1	-6.3		
140	-1.436	-1.439	34.496	27.761	32.517	37.167	0.79	32.1	6.3	-5.2		
150	-1.390	-1.394	34.503	27.765	32.520	37.168	1.11	31.6	4.4	-4.6		
160	-1.294	-1.298	34.516	27.772	32.524	37.169	1.46	31.0	6.1	-1.7		
170	-1.102	-1.107	34.528	27.775	32.521	37.160	0.76	30.7	9.3	-3.7		
180	-0.969	-0.974	34.538	27.778	32.520	37.155	0.85	30.5	8.2	-4.9		
190	-0.830	-0.836	34.549	27.781	32.519	37.150	0.89	30.2	5.8	-5.8		
200	-0.725	-0.731	34.559	27.785	32.519	37.147	0.98	29.9	4.2	-4.5		
210	-0.617	-0.624	34.575	27.793	32.524	37.148	1.54	29.2	3.9	-1.8		
220	-0.541	-0.548	34.578	27.792	32.521	37.143	-0.67	29.3	5.5	-1.2		
230	-0.348	-0.356	34.582	27.787	32.509	37.126	-1.48	29.9	8.1	-0.5		
240	-0.210	-0.219	34.608	27.801	32.519	37.131	2.04	28.7	12.4	-2.8		
250	-0.155	-0.164	34.606	27.797	32.513	37.124	-1.22	29.1	9.8	-9.2		
260	-0.116	-0.125	34.615	27.802	32.517	37.127	1.25	28.6	4.5	-9.2		
270	-0.018	-0.028	34.629	27.808	32.521	37.127	1.31	28.1	1.9	-7.7		
280	0.041	0.030	34.633	27.808	32.519	37.124	-0.33	28.1	0.7	-5.2		
290	0.137	0.126	34.640	27.809	32.517	37.118	-0.32	28.2	0.9	-1.8		
300	0.216	0.204	34.648	27.811	32.516	37.116	0.67	28.0	5.5	1.4		
325	0.346	0.333	34.662	27.815	32.516	37.112	0.59	27.8	4.1	-11.2		
350	0.410	0.395	34.666	27.815	32.514	37.108	-0.36	27.9	1.7	-0.0		
375	0.433	0.417	34.665	27.813	32.511	37.105	-0.54	28.1	10.8	-4.7		
400	0.464	0.447	34.672	27.816	32.514	37.107	0.66	27.8	0.0	-4.1		
425	0.504	0.486	34.674	27.816	32.513	37.104	-0.38	28.0	7.2	1.5		
450	0.530	0.510	34.680	27.819	32.515	37.105	0.61	27.7	8.0	-7.9		
475	0.558	0.537	34.683	27.820	32.515	37.105	0.23	27.7	0.7	-0.6		
500	0.576	0.554	34.684	27.820	32.514	37.104	-0.24	27.8	5.1	1.6		
550	0.569	0.544	34.686	27.822	32.517	37.106	0.38	27.6	0.5	-0.8		
600	0.586	0.559	34.688	27.823	32.517	37.106	0.17	27.6	5.5	-8.0		
650	0.564	0.534	34.688	27.824	32.519	37.109	0.35	27.5	7.2	0.6		
700	0.532	0.500	34.692	27.829	32.526	37.116	0.61	27.0	5.0	-6.7		
750	0.503	0.468	34.687	27.827	32.524	37.116	-0.30	27.2	8.4	-1.8		
800	0.479	0.442	34.691	27.832	32.530	37.122	0.58	26.8	3.5	-5.4		
850	0.451	0.411	34.688	27.831	32.530	37.123	0.09	26.8	8.5	-0.1		
900	0.431	0.389	34.685	27.830	32.530	37.124	-0.18	26.9	7.2	-4.8		
950	0.403	0.358	34.687	27.834	32.534	37.129	0.51	26.6	2.4	-2.6		

AARI 064

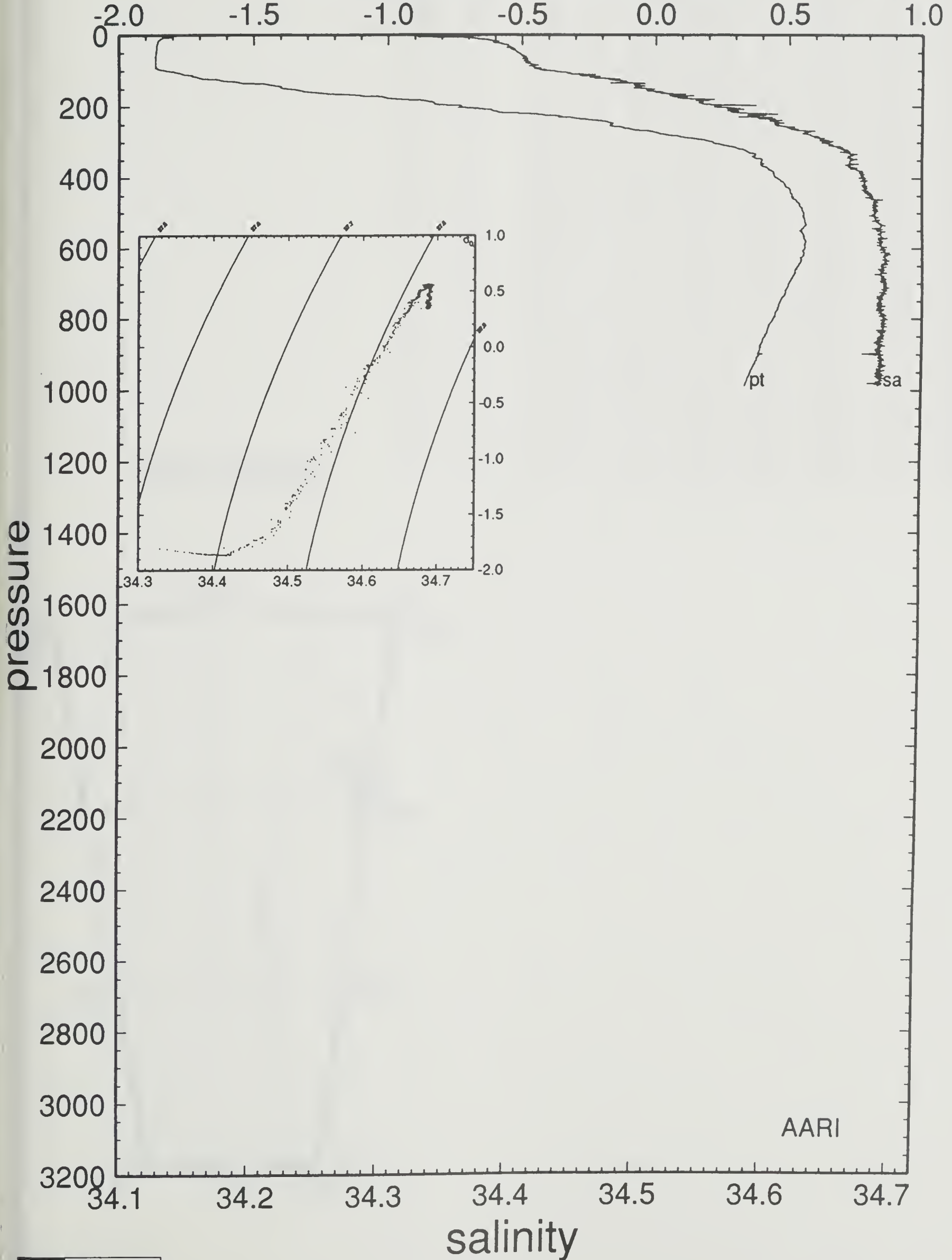


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93/05/02 16:24

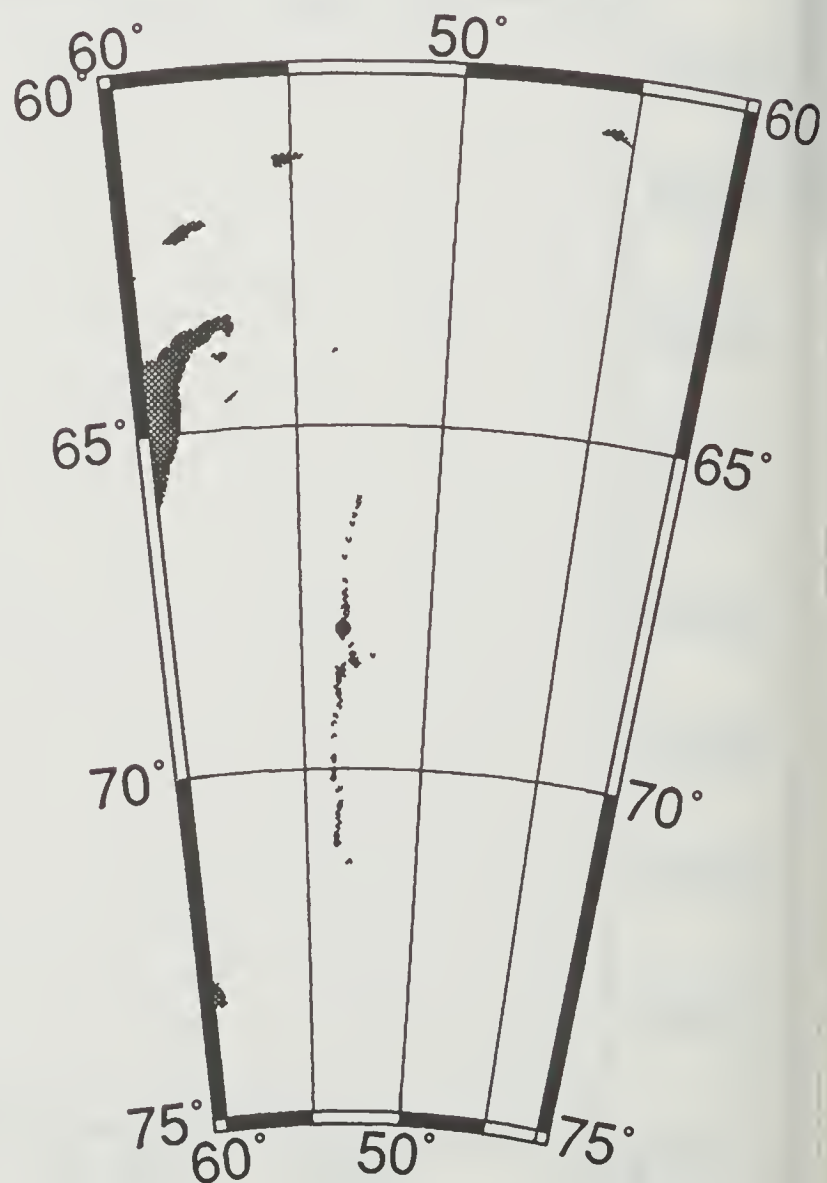
67 58.20 S 53 22.48 W

# potential temperature



ISW-1	-67.9402 S	-53.3727 W	93/05/03	124	14:23	RUSS CTD # 65				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	3.402	3.402	29.460	23.434	28.091	32.645	0.00	444.1	3.4	-0.5
10	-1.842	-1.842	34.380	27.678	32.448	37.111	36.45	40.5	0.1	-2.2
20	-1.862	-1.862	34.401	27.696	32.466	37.130	2.35	38.7	-0.2	-1.8
30	-1.863	-1.864	34.407	27.701	32.471	37.135	1.24	38.2	-1.9	-1.7
40	-1.866	-1.867	34.412	27.705	32.476	37.139	1.14	37.8	-1.6	-1.8
50	-1.868	-1.869	34.418	27.710	32.481	37.144	1.24	37.2	-1.9	-2.3
60	-1.867	-1.868	34.423	27.714	32.485	37.148	1.12	36.8	-2.6	-1.2
70	-1.868	-1.869	34.424	27.715	32.485	37.149	0.51	36.6	-2.9	-0.5
80	-1.867	-1.869	34.428	27.718	32.489	37.152	1.01	36.3	-2.0	-0.2
90	-1.867	-1.869	34.432	27.721	32.492	37.155	1.01	35.9	-1.8	0.5
100	-1.792	-1.794	34.454	27.737	32.505	37.166	2.21	34.4	-1.2	1.7
110	-1.711	-1.713	34.471	27.749	32.514	37.172	1.88	33.2	-0.4	2.7
120	-1.648	-1.651	34.486	27.759	32.522	37.178	1.78	32.2	-0.1	3.2
130	-1.614	-1.617	34.491	27.762	32.524	37.179	0.96	31.9	0.2	4.2
140	-1.537	-1.540	34.503	27.769	32.529	37.182	1.49	31.2	0.7	3.6
150	-1.437	-1.441	34.511	27.773	32.529	37.179	0.95	30.9	0.6	2.6
160	-1.317	-1.321	34.532	27.786	32.538	37.184	1.97	29.6	1.5	3.2
170	-1.248	-1.252	34.523	27.776	32.527	37.170	-1.77	30.6	0.9	4.3
180	-1.034	-1.039	34.540	27.782	32.526	37.163	1.22	30.1	0.7	3.2
190	-0.940	-0.945	34.548	27.785	32.526	37.160	0.85	29.8	1.7	2.7
200	-0.809	-0.815	34.562	27.791	32.528	37.158	1.28	29.3	0.8	2.2
210	-0.689	-0.696	34.571	27.793	32.526	37.153	0.68	29.1	0.8	1.6
220	-0.643	-0.650	34.579	27.798	32.529	37.154	1.14	28.7	0.3	1.0
230	-0.403	-0.411	34.601	27.805	32.529	37.146	1.28	28.2	-1.2	0.8
240	-0.264	-0.272	34.607	27.803	32.523	37.136	-0.94	28.4	-0.5	1.0
250	-0.159	-0.168	34.621	27.809	32.526	37.136	1.29	27.9	-1.2	1.6
260	-0.024	-0.034	34.633	27.812	32.524	37.131	0.73	27.8	-2.3	0.7
270	0.084	0.074	34.644	27.815	32.524	37.127	0.85	27.5	-1.9	0.2
280	0.154	0.143	34.646	27.813	32.520	37.121	-0.92	27.8	-3.0	0.2
290	0.185	0.174	34.651	27.815	32.521	37.122	0.81	27.6	-2.4	1.8
300	0.238	0.226	34.653	27.814	32.518	37.117	-0.74	27.8	-3.0	1.2
325	0.292	0.279	34.660	27.817	32.519	37.117	0.52	27.6	-2.9	0.2
350	0.363	0.349	34.667	27.818	32.519	37.114	0.34	27.5	-3.8	0.0
375	0.399	0.383	34.670	27.819	32.518	37.112	0.05	27.5	-3.2	-0.3
400	0.459	0.442	34.679	27.822	32.520	37.113	0.62	27.3	-1.1	-1.7
425	0.499	0.481	34.679	27.820	32.517	37.108	-0.59	27.5	-2.5	-2.4
450	0.510	0.490	34.681	27.821	32.518	37.109	0.33	27.5	-1.7	-2.4
475	0.541	0.520	34.684	27.822	32.517	37.107	0.17	27.5	-1.6	-3.6
500	0.567	0.545	34.689	27.824	32.519	37.109	0.52	27.3	-1.5	-3.0
550	0.587	0.562	34.692	27.826	32.520	37.109	0.26	27.3	-0.6	-1.4
600	0.574	0.547	34.691	27.826	32.521	37.110	0.16	27.3	-0.5	0.0
650	0.553	0.523	34.690	27.826	32.522	37.112	0.26	27.3	-1.0	-0.5
700	0.528	0.496	34.692	27.830	32.526	37.117	0.49	27.0	0.0	-0.9
750	0.503	0.468	34.690	27.830	32.527	37.118	0.20	27.0	-0.5	-0.9

# AARI 065





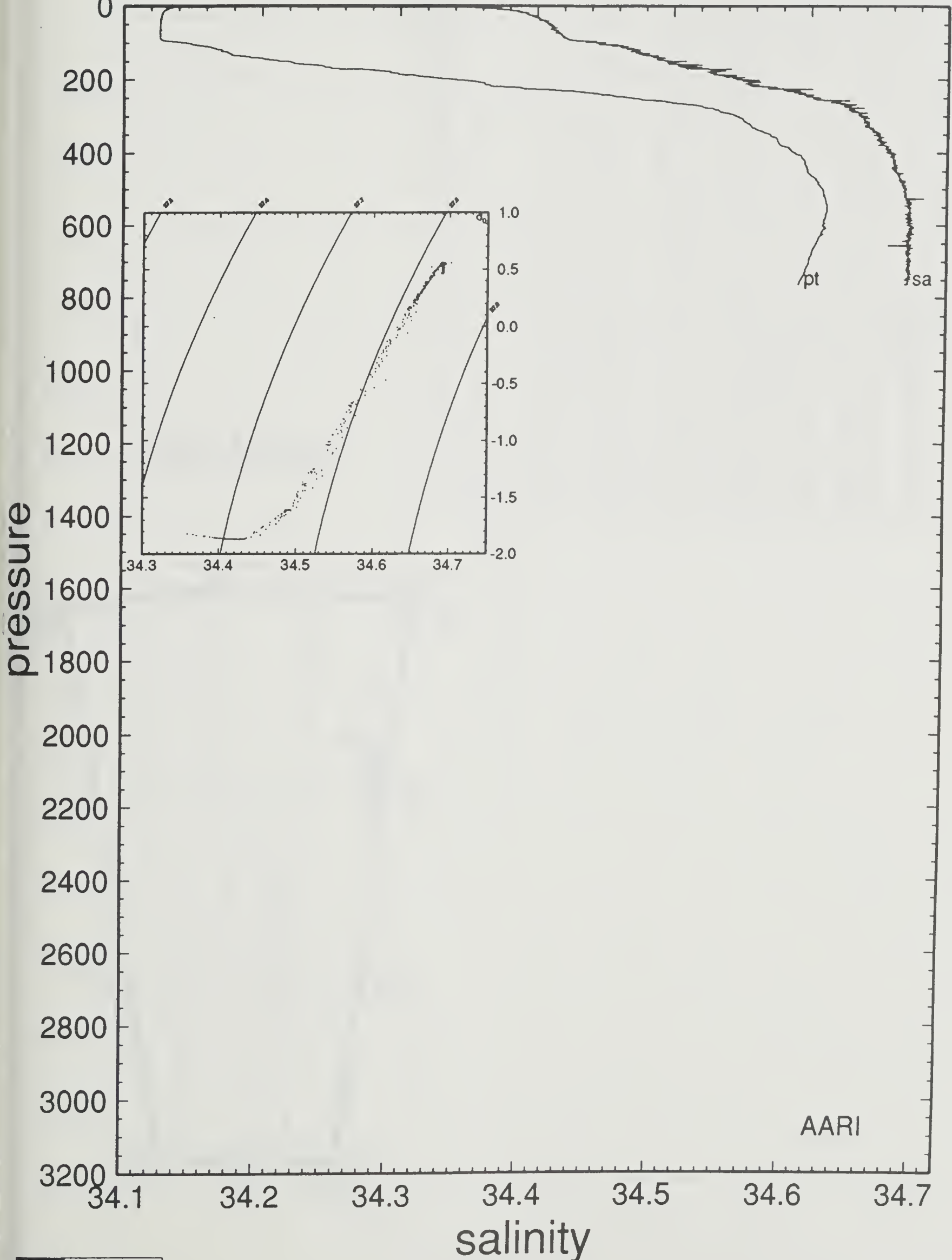
65

93/05/03 14:23

67 56.41 S 53 22.36 W

# potential temperature

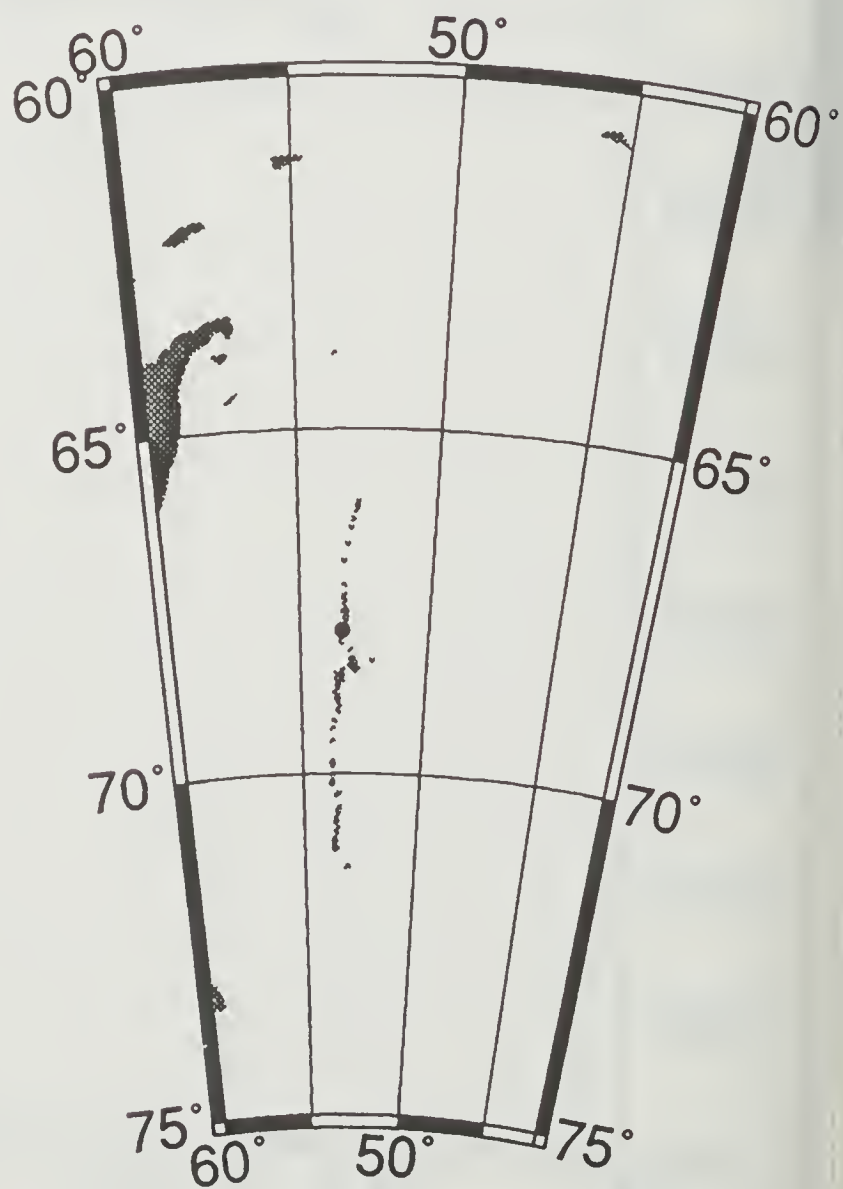
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI

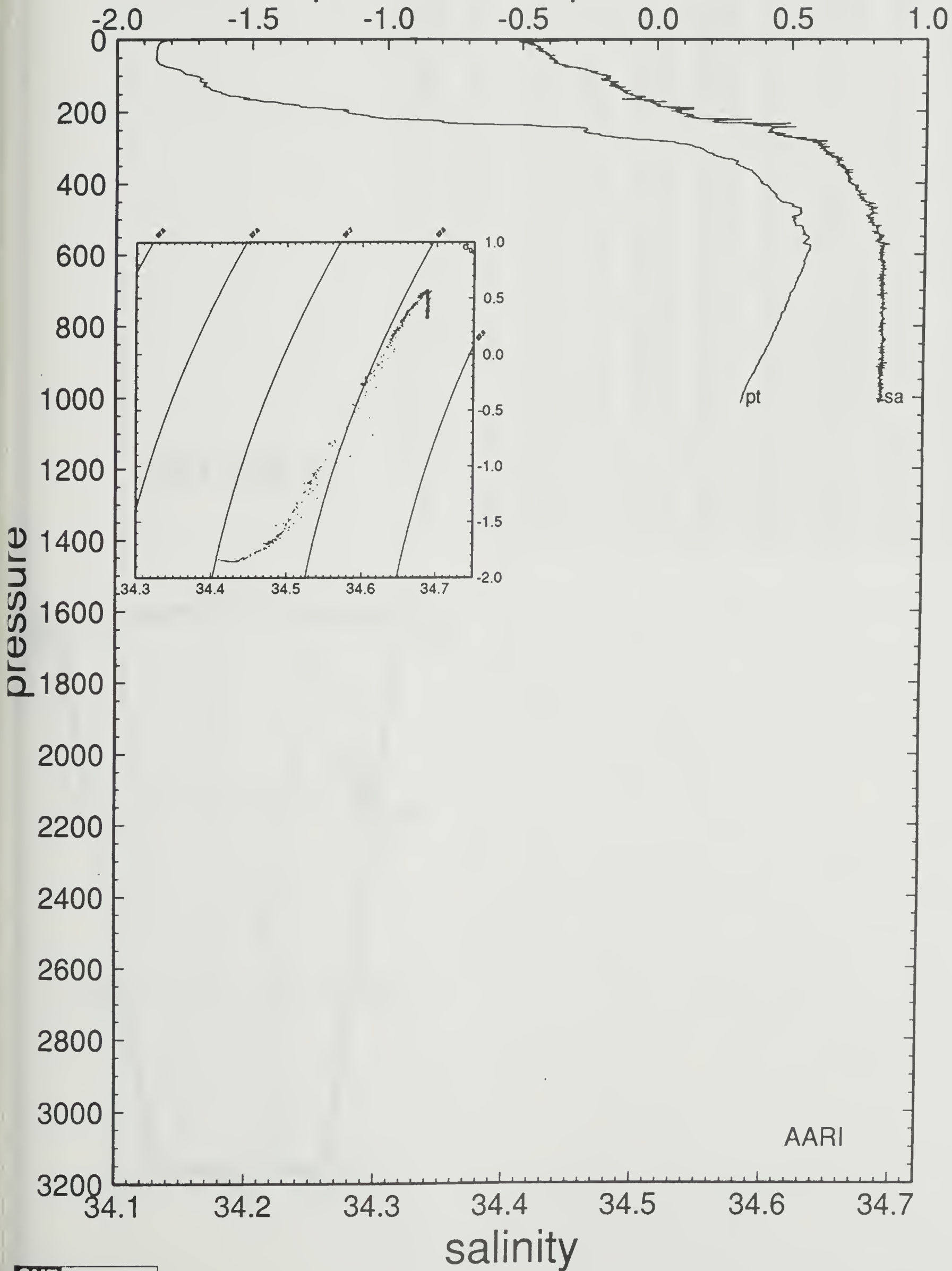
ISW-1	-67.909 S	-53.3563 W	93/05/04	125	16:39	RUSS CTD	# 66				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	0.170	0.170	32.258	25.885	30.612	35.233	0.00	210.6	6.5	-6.3	
10	-1.844	-1.844	34.416	27.707	32.477	37.140	23.89	37.7	2.1	-5.9	
20	-1.851	-1.851	34.422	27.712	32.483	37.146	1.26	37.2	1.1	-4.7	
30	-1.854	-1.855	34.425	27.715	32.485	37.148	0.89	36.9	1.6	-5.9	
40	-1.854	-1.855	34.428	27.717	32.488	37.151	0.87	36.6	1.2	-6.2	
50	-1.855	-1.856	34.431	27.720	32.490	37.153	0.88	36.3	0.8	-4.9	
60	-1.851	-1.852	34.436	27.724	32.494	37.157	1.11	35.8	0.7	-4.8	
70	-1.836	-1.837	34.444	27.730	32.500	37.162	1.38	35.2	0.6	-3.0	
80	-1.791	-1.793	34.453	27.736	32.504	37.165	1.37	34.6	0.6	-3.5	
90	-1.757	-1.759	34.465	27.745	32.512	37.171	1.65	33.7	-0.5	-3.2	
100	-1.721	-1.723	34.475	27.752	32.518	37.176	1.48	33.0	0.0	-3.9	
110	-1.688	-1.690	34.472	27.749	32.513	37.171	-1.04	33.2	0.0	-2.5	
120	-1.669	-1.672	34.479	27.754	32.518	37.175	1.26	32.7	-0.5	-2.6	
130	-1.680	-1.683	34.480	27.755	32.519	37.176	0.61	32.5	0.8	-2.0	
140	-1.650	-1.653	34.485	27.758	32.522	37.178	0.98	32.2	-0.6	-3.2	
150	-1.613	-1.616	34.491	27.762	32.524	37.179	1.06	31.8	2.1	-2.4	
160	-1.533	-1.537	34.500	27.767	32.527	37.179	1.18	31.3	0.3	-0.6	
170	-1.471	-1.475	34.505	27.769	32.527	37.177	0.75	31.1	0.2	-1.8	
180	-1.349	-1.353	34.514	27.772	32.526	37.173	0.91	30.8	1.2	-1.0	
190	-1.234	-1.239	34.523	27.776	32.526	37.169	0.91	30.5	1.8	-0.6	
200	-1.150	-1.155	34.530	27.778	32.526	37.166	0.82	30.3	2.5	-0.8	
210	-1.077	-1.083	34.537	27.781	32.526	37.165	0.89	30.0	2.4	-0.3	
220	-0.970	-0.976	34.563	27.798	32.540	37.175	2.25	28.4	2.3	-0.8	
230	-0.788	-0.795	34.558	27.787	32.523	37.153	-1.99	29.6	2.4	0.5	
240	-0.427	-0.435	34.592	27.799	32.523	37.142	1.67	28.7	0.3	-2.0	
250	-0.251	-0.260	34.601	27.797	32.517	37.130	-0.88	29.0	-0.6	-4.8	
260	-0.243	-0.252	34.607	27.802	32.521	37.134	1.17	28.5	-0.1	-4.2	
270	-0.160	-0.170	34.613	27.803	32.519	37.130	0.14	28.5	-0.3	-6.1	
280	-0.013	-0.024	34.628	27.807	32.519	37.126	1.02	28.2	-0.4	-4.2	
290	0.105	0.094	34.637	27.808	32.517	37.120	-0.07	28.2	-0.6	-4.0	
300	0.162	0.150	34.644	27.811	32.518	37.119	0.80	28.0	-1.1	-4.0	
325	0.237	0.224	34.647	27.809	32.514	37.113	-0.54	28.2	-1.6	-4.5	
350	0.317	0.303	34.656	27.812	32.514	37.111	0.50	28.1	-2.2	-4.3	
375	0.379	0.363	34.660	27.812	32.512	37.107	-0.34	28.2	-1.7	-5.0	
400	0.406	0.389	34.662	27.812	32.511	37.105	-0.15	28.2	-0.6	-5.0	
425	0.452	0.434	34.669	27.815	32.513	37.106	0.55	28.0	0.3	-5.1	
450	0.479	0.460	34.673	27.817	32.514	37.106	0.41	27.9	0.0	-5.4	
475	0.558	0.537	34.678	27.816	32.511	37.101	-0.46	28.1	1.2	-5.6	
500	0.540	0.518	34.676	27.815	32.511	37.101	-0.15	28.1	0.7	-4.3	
550	0.592	0.567	34.686	27.821	32.515	37.103	0.52	27.8	0.4	-4.7	
600	0.587	0.560	34.686	27.821	32.515	37.104	0.19	27.8	0.0	-3.8	
650	0.569	0.539	34.688	27.824	32.519	37.108	0.45	27.6	1.4	-4.6	
700	0.543	0.511	34.687	27.825	32.521	37.111	0.30	27.5	0.1	-3.8	
750	0.517	0.482	34.686	27.826	32.522	37.114	0.31	27.4	0.7	-3.5	
800	0.490	0.453	34.688	27.829	32.527	37.119	0.50	27.1	1.7	-2.1	
850	0.464	0.424	34.687	27.830	32.528	37.121	0.31	27.0	1.0	-1.3	
900	0.432	0.390	34.688	27.833	32.532	37.126	0.48	26.7	2.5	-2.4	
950	0.398	0.353	34.686	27.833	32.534	37.129	0.31	26.6	0.9	-2.4	
1000	0.375	0.328	34.687	27.835	32.537	37.132	0.43	26.4	2.4	-2.7	

AARI 066



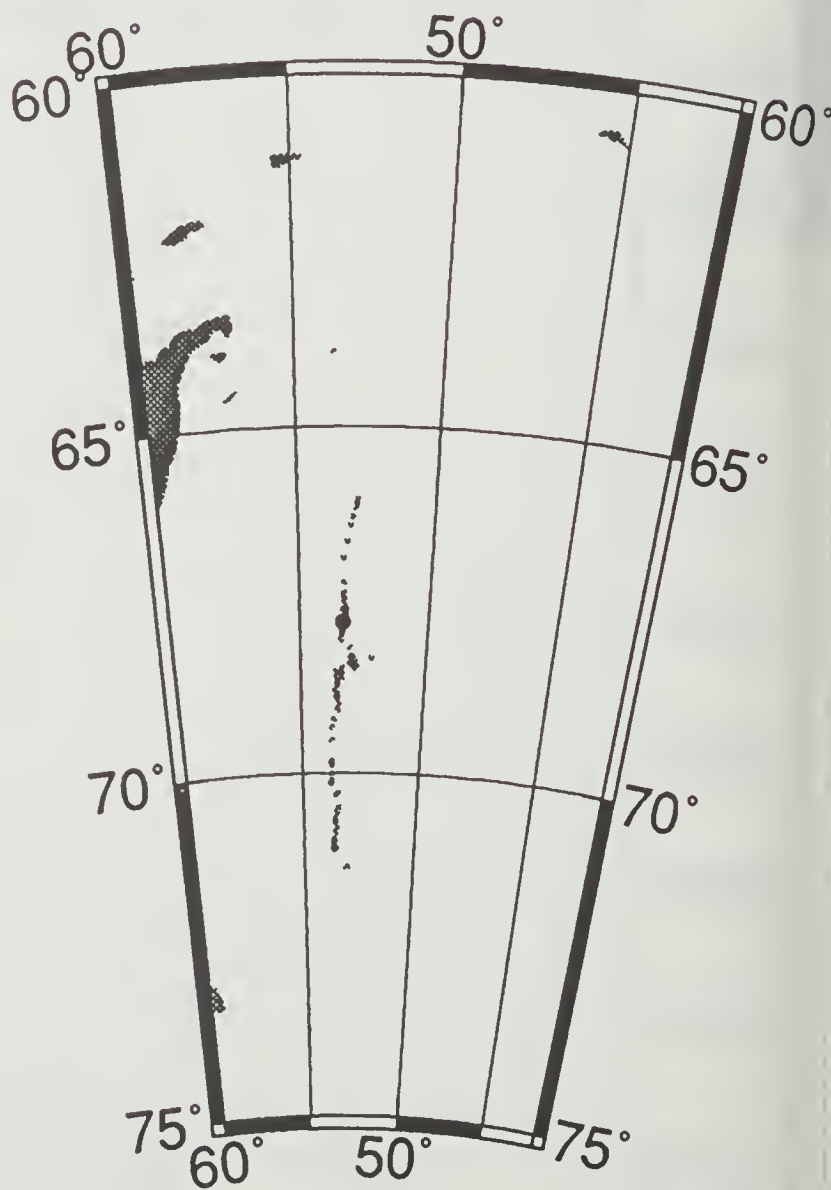
66 93/05/04 16:39 67 54.54 S 53 21.38 W

# potential temperature



ISW-1	-67.824 S	-53.3405 W	93/05/05	126	16:20	RUSS_CTD	# 67			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.851	-1.851	34.415	27.707	32.477	37.140	0.00	37.8	-35.1	-9.1
10	-1.849	-1.849	34.416	27.708	32.478	37.141	0.49	37.7	-39.4	-4.8
20	-1.850	-1.850	34.420	27.711	32.481	37.144	1.01	37.3	-41.7	-5.8
30	-1.847	-1.848	34.422	27.712	32.483	37.145	0.70	37.1	-41.8	-6.7
40	-1.848	-1.849	34.426	27.716	32.486	37.148	1.01	36.7	-41.8	-5.6
50	-1.846	-1.847	34.427	27.716	32.486	37.149	0.49	36.6	-42.3	-5.0
60	-1.845	-1.846	34.428	27.717	32.487	37.150	0.50	36.5	-41.3	-5.3
70	-1.843	-1.844	34.429	27.718	32.488	37.150	0.49	36.3	-41.5	-5.1
80	-1.834	-1.836	34.439	27.726	32.495	37.158	1.57	35.5	-41.2	-5.2
90	-1.811	-1.813	34.442	27.728	32.497	37.158	0.74	35.3	-41.0	-5.8
100	-1.754	-1.756	34.457	27.738	32.505	37.165	1.81	34.3	-41.4	-4.9
110	-1.731	-1.733	34.460	27.740	32.506	37.165	0.73	34.0	-41.6	-5.8
120	-1.710	-1.713	34.464	27.743	32.508	37.166	0.90	33.7	-40.9	-5.8
130	-1.708	-1.711	34.456	27.736	32.502	37.160	-1.43	34.3	-40.5	-5.1
140	-1.672	-1.675	34.473	27.749	32.513	37.170	1.99	33.0	-40.7	-5.3
150	-1.671	-1.674	34.474	27.750	32.514	37.171	0.50	32.9	-39.4	-5.5
160	-1.671	-1.675	34.475	27.751	32.515	37.172	0.51	32.8	-39.8	-5.7
170	-1.605	-1.609	34.484	27.756	32.518	37.173	1.25	32.3	-39.4	-5.2
180	-1.537	-1.541	34.488	27.757	32.517	37.170	0.50	32.1	-39.4	-5.4
190	-1.493	-1.498	34.491	27.758	32.517	37.168	0.50	32.0	-40.4	-4.6
200	-1.416	-1.421	34.504	27.766	32.522	37.171	1.54	31.2	-40.0	-3.8
210	-1.290	-1.295	34.529	27.783	32.534	37.179	2.18	29.8	-39.9	-3.3
220	-1.065	-1.071	34.536	27.780	32.525	37.163	-1.11	30.1	-40.2	-3.8
230	-0.784	-0.791	34.557	27.786	32.522	37.151	1.10	29.7	-39.5	-4.4
240	-0.656	-0.664	34.564	27.786	32.518	37.144	-0.47	29.7	-39.5	-6.0
250	-0.537	-0.545	34.569	27.785	32.513	37.135	-0.81	29.9	-40.5	-6.1
260	-0.400	-0.409	34.578	27.786	32.510	37.128	-0.17	29.9	-41.2	-8.2
270	-0.284	-0.293	34.584	27.785	32.506	37.120	-0.71	30.0	-40.0	-9.2
280	-0.162	-0.172	34.601	27.793	32.510	37.121	1.44	29.4	-40.9	-10.3
290	0.001	-0.010	34.611	27.793	32.505	37.111	-0.73	29.6	-41.8	-10.2
300	0.100	0.088	34.617	27.792	32.501	37.104	-0.63	29.7	-41.1	-10.3
325	0.215	0.202	34.633	27.799	32.505	37.104	0.84	29.2	-42.0	-10.2
350	0.284	0.270	34.635	27.797	32.500	37.098	-0.60	29.4	-42.8	-10.8
375	0.300	0.285	34.636	27.797	32.500	37.097	-0.16	29.5	-42.9	-10.1
400	0.344	0.327	34.640	27.798	32.499	37.095	0.19	29.5	-44.3	-9.0
425	0.426	0.408	34.650	27.801	32.500	37.094	0.55	29.3	-42.0	-9.7
450	0.444	0.425	34.651	27.801	32.500	37.093	-0.22	29.3	-42.4	-8.7
475	0.468	0.447	34.656	27.804	32.502	37.094	0.54	29.1	-43.4	-7.8
500	0.489	0.467	34.659	27.805	32.502	37.094	0.35	29.1	-43.1	-8.3
550	0.524	0.500	34.663	27.806	32.503	37.093	0.22	29.0	-42.9	-6.5
600	0.543	0.516	34.667	27.808	32.504	37.095	0.35	28.9	-43.2	-6.2
650	0.561	0.531	34.672	27.811	32.507	37.097	0.42	28.7	-42.8	-6.0
700	0.557	0.525	34.672	27.812	32.507	37.097	0.18	28.7	-44.0	-5.8
750	0.530	0.495	34.673	27.814	32.511	37.102	0.45	28.5	-43.5	-4.5
800	0.494	0.457	34.672	27.816	32.513	37.105	0.38	28.3	-43.1	-5.3
850	0.459	0.419	34.672	27.818	32.517	37.110	0.44	28.1	-42.8	-4.8
900	0.426	0.384	34.673	27.821	32.521	37.115	0.49	27.8	-43.3	-4.6
950	0.397	0.352	34.673	27.823	32.523	37.118	0.41	27.6	-42.3	-5.1
1000	0.366	0.319	34.673	27.825	32.526	37.122	0.42	27.4	-42.0	-4.9

AARI 067



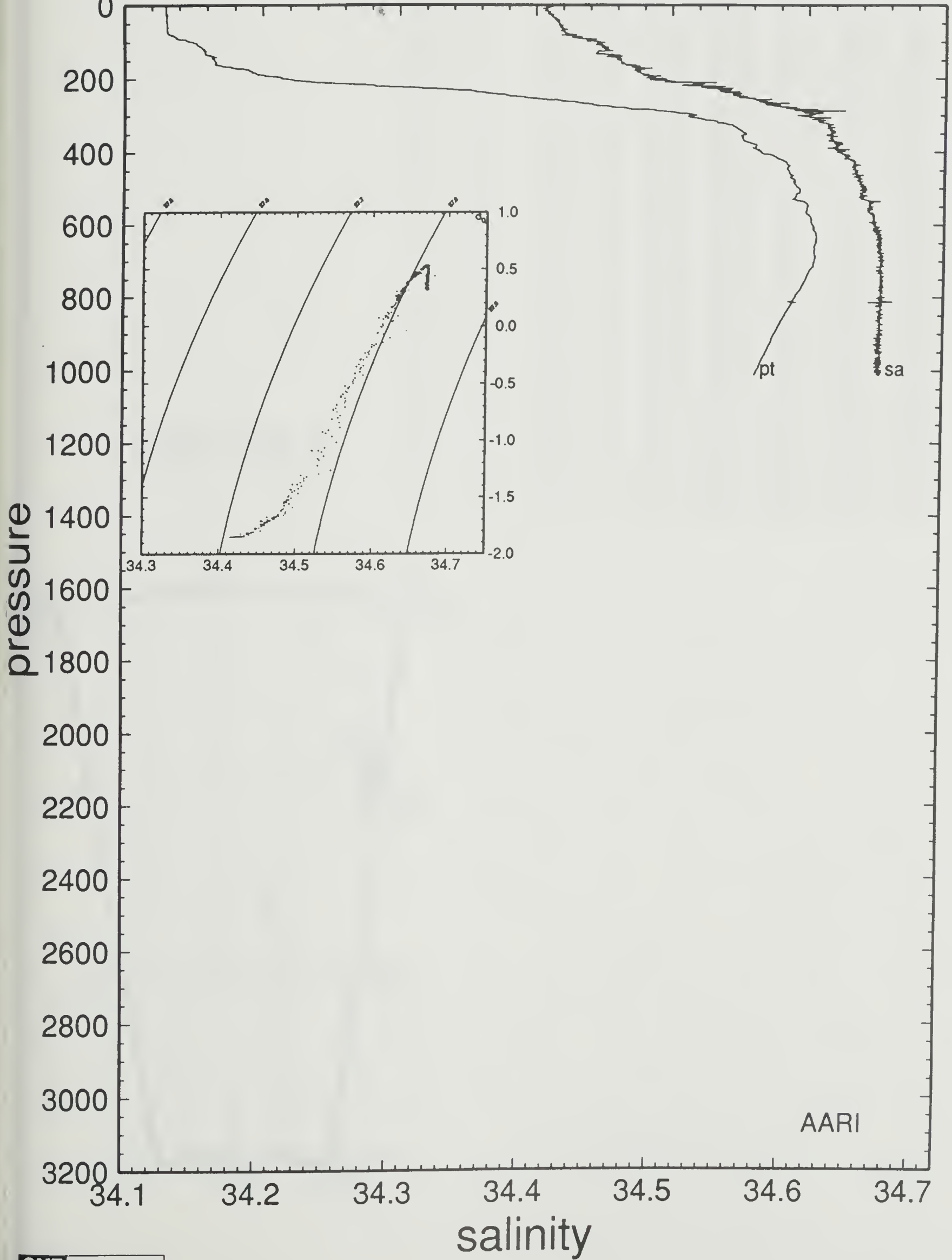
67

93/05/05 16:20

67 49.44 S 53 20.43 W

# potential temperature

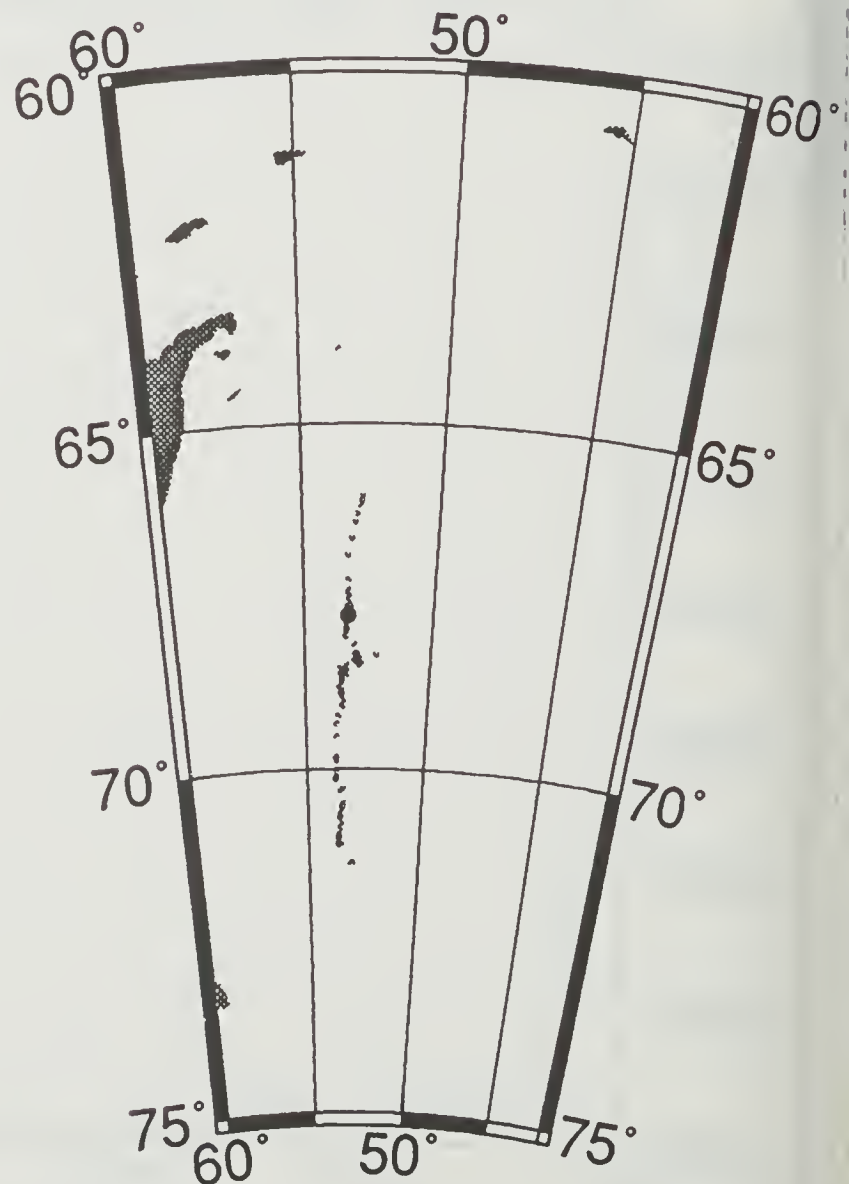
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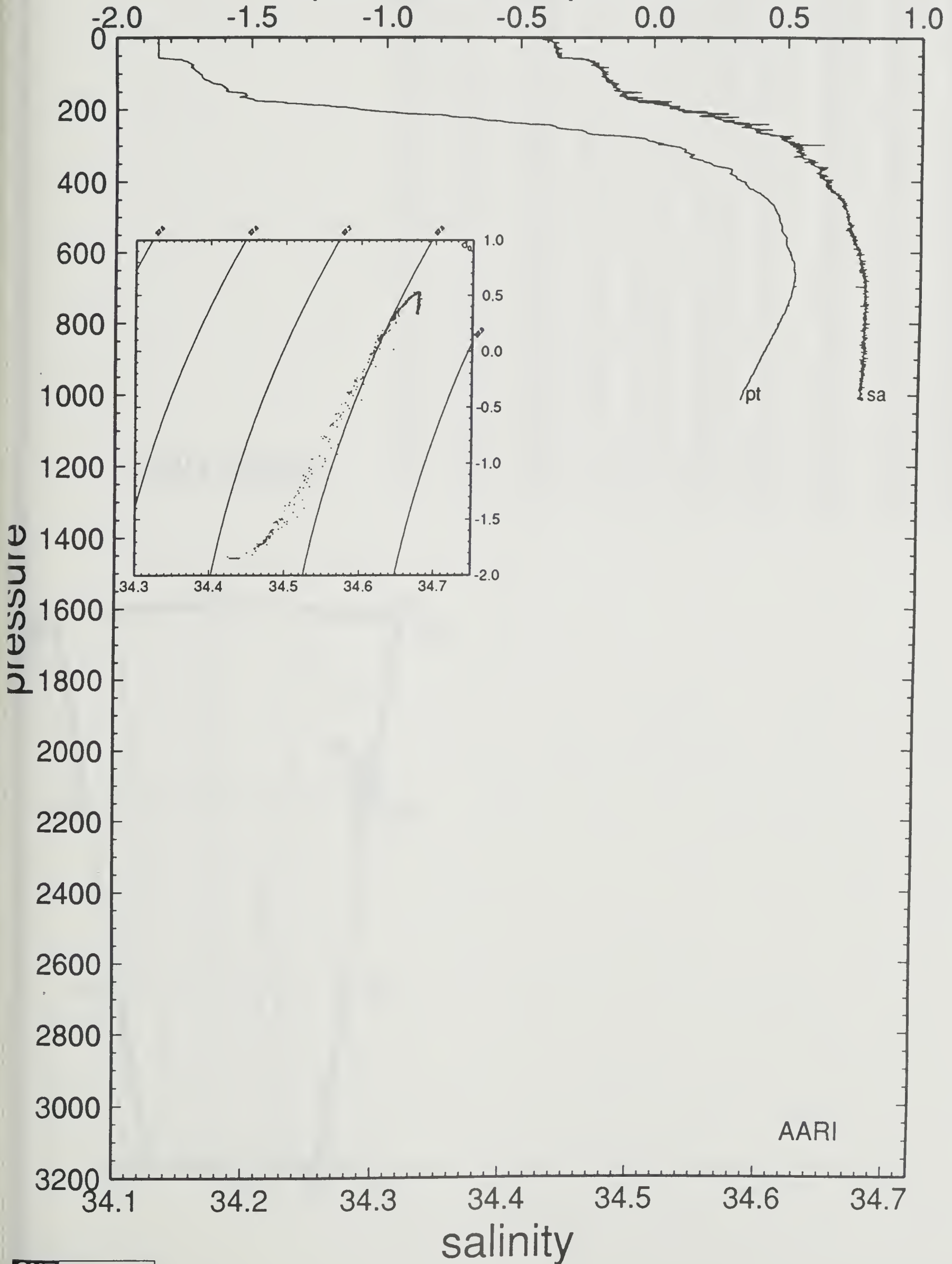
AARI

ISW-1	-67.7732 S	-53.2738 W	93/05/06	127	19:42	RUSS CTD # 68					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.835	-1.835	34.425	27.714	32.484	37.146	0.00	37.1	5.6	2.3	
10	-1.846	-1.846	34.433	27.721	32.491	37.154	1.46	36.4	8.9	-4.0	
20	-1.845	-1.845	34.436	27.724	32.494	37.156	0.87	36.1	8.4	-5.6	
30	-1.846	-1.847	34.437	27.725	32.495	37.157	0.51	36.0	7.9	-5.9	
40	-1.846	-1.847	34.438	27.725	32.495	37.158	0.51	35.8	7.6	-6.2	
50	-1.846	-1.847	34.439	27.726	32.496	37.159	0.51	35.7	8.1	-6.4	
60	-1.797	-1.798	34.451	27.735	32.503	37.164	1.62	34.8	7.0	-7.0	
70	-1.736	-1.737	34.466	27.745	32.511	37.170	1.80	33.8	7.8	-7.3	
80	-1.723	-1.725	34.469	27.747	32.513	37.172	0.80	33.5	7.1	-7.8	
90	-1.711	-1.713	34.473	27.750	32.516	37.174	0.95	33.2	7.8	-8.5	
100	-1.693	-1.695	34.474	27.750	32.515	37.173	0.28	33.1	8.2	-8.1	
110	-1.683	-1.685	34.473	27.749	32.514	37.171	-0.59	33.2	7.3	-7.9	
120	-1.662	-1.665	34.480	27.754	32.518	37.175	1.25	32.7	7.7	-8.1	
130	-1.622	-1.625	34.480	27.753	32.516	37.171	-0.64	32.7	6.9	-8.3	
140	-1.599	-1.602	34.482	27.754	32.516	37.171	0.51	32.6	7.7	-8.6	
150	-1.593	-1.596	34.484	27.756	32.517	37.172	0.67	32.4	5.7	-8.6	
160	-1.520	-1.524	34.489	27.758	32.517	37.169	0.68	32.2	4.6	-8.2	
170	-1.510	-1.514	34.500	27.766	32.525	37.177	1.64	31.4	5.2	-8.7	
180	-1.386	-1.390	34.518	27.777	32.532	37.179	1.76	30.4	5.5	-9.2	
190	-1.214	-1.219	34.524	27.776	32.525	37.168	-0.80	30.5	5.6	-7.9	
200	-1.101	-1.106	34.526	27.773	32.519	37.158	-0.99	30.8	4.2	-7.8	
210	-0.954	-0.960	34.551	27.788	32.529	37.164	2.07	29.5	3.5	-7.1	
220	-0.756	-0.763	34.549	27.778	32.514	37.142	-1.85	30.5	3.4	-8.5	
230	-0.620	-0.627	34.567	27.787	32.518	37.142	1.56	29.7	5.3	-7.5	
240	-0.475	-0.483	34.579	27.790	32.517	37.137	0.82	29.5	4.7	-8.3	
250	-0.360	-0.369	34.583	27.788	32.511	37.128	-0.97	29.8	6.8	-10.0	
260	-0.259	-0.268	34.592	27.791	32.510	37.124	0.71	29.6	5.8	-9.7	
270	-0.229	-0.239	34.603	27.798	32.517	37.130	1.50	28.9	7.0	-10.4	
280	-0.059	-0.069	34.612	27.797	32.510	37.118	-0.92	29.1	7.3	-10.8	
290	-0.001	-0.012	34.617	27.798	32.510	37.116	0.41	29.1	7.0	-9.6	
300	0.040	0.029	34.632	27.808	32.518	37.123	1.73	28.2	8.0	-10.2	
325	0.147	0.134	34.627	27.798	32.505	37.107	-1.16	29.2	7.7	-9.9	
350	0.219	0.205	34.636	27.801	32.507	37.106	0.57	29.0	7.5	-9.8	
375	0.306	0.291	34.641	27.801	32.503	37.100	-0.46	29.1	8.2	-9.6	
400	0.342	0.325	34.646	27.803	32.504	37.100	0.45	29.0	7.8	-8.7	
425	0.390	0.372	34.651	27.804	32.504	37.099	0.31	28.9	7.5	-8.7	
450	0.442	0.423	34.659	27.807	32.506	37.099	0.59	28.7	7.4	-8.2	
475	0.473	0.452	34.662	27.808	32.506	37.098	0.18	28.7	7.5	-7.9	
500	0.491	0.469	34.662	27.807	32.504	37.096	-0.39	28.8	6.6	-7.8	
550	0.513	0.489	34.668	27.811	32.507	37.099	0.46	28.6	5.9	-8.2	
600	0.540	0.513	34.673	27.813	32.509	37.100	0.37	28.4	6.0	-7.4	
650	0.557	0.527	34.673	27.812	32.508	37.098	-0.27	28.6	6.2	-7.3	
700	0.556	0.524	34.678	27.817	32.512	37.102	0.52	28.3	5.8	-5.6	
750	0.541	0.506	34.674	27.815	32.511	37.101	-0.33	28.5	5.0	-6.6	
800	0.512	0.475	34.678	27.820	32.517	37.108	0.60	28.0	3.9	-6.3	
850	0.481	0.441	34.676	27.820	32.518	37.110	0.27	28.0	4.0	-6.4	
900	0.450	0.408	34.677	27.823	32.522	37.115	0.48	27.7	3.5	-6.7	
950	0.418	0.373	34.676	27.824	32.524	37.118	0.37	27.5	3.3	-6.0	
1000	0.389	0.342	34.675	27.825	32.526	37.121	0.35	27.4	4.1	-6.0	

AARI 068

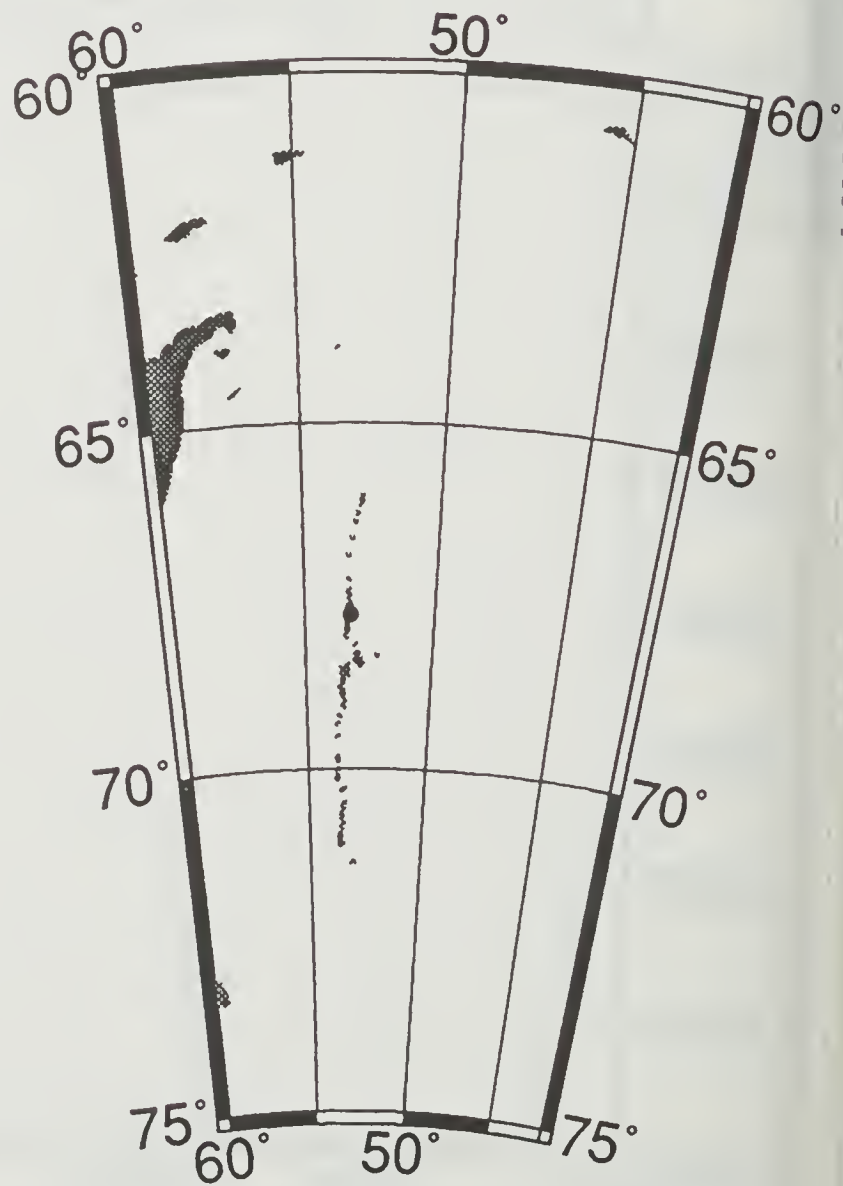


# potential temperature



ISW-1	-67.759 S	-53.218 W	93/05/07	128	18:42	RUSS	CTD	# 69			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	0.911	0.911	10.053	8.018	12.921	17.714	0.00	1938.4	1238.1	156.2	
10	0.996	0.996	10.037	8.006	12.906	17.697	-1.93	1939.1	1236.7	164.5	
20	1.132	1.132	9.973	7.957	12.853	17.639	-3.98	1943.7	1228.5	166.4	
30	1.326	1.326	9.904	7.903	12.794	17.574	-4.13	1948.6	1222.6	161.3	
40	1.511	1.511	9.926	7.922	12.806	17.581	2.45	1946.4	1225.1	152.8	
50	1.703	1.703	9.968	7.957	12.834	17.602	3.30	1942.7	1228.5	151.3	
60	1.900	1.900	9.985	7.971	12.841	17.603	2.07	1941.0	1230.3	151.3	
70	2.102	2.101	9.988	7.973	12.837	17.592	0.70	1940.5	1231.4	151.3	
80	2.309	2.308	9.990	7.973	12.831	17.580	-0.05	1940.2	1231.4	151.3	
90	2.516	2.515	9.987	7.969	12.820	17.563	-1.23	1940.3	1231.0	151.4	
100	2.722	2.720	9.986	7.966	12.810	17.547	-1.11	1940.4	1231.6	151.7	
110	2.928	2.926	9.988	7.964	12.803	17.532	-0.83	1940.3	1232.5	152.8	
120	3.133	3.131	9.987	7.960	12.792	17.515	-1.29	1940.5	1235.5	158.9	
130	3.341	3.338	9.976	7.947	12.772	17.490	-2.11	1941.6	1235.0	160.0	
140	3.551	3.548	9.971	7.938	12.757	17.468	-1.78	1942.2	1237.6	165.1	
150	3.757	3.753	9.968	7.930	12.743	17.448	-1.69	1942.8	1238.0	167.6	
160	3.961	3.957	9.946	7.906	12.713	17.412	-2.80	1945.0	1236.4	169.6	
170	4.164	4.159	9.927	7.884	12.685	17.379	-2.70	1946.9	1235.1	172.0	
180	4.377	4.371	9.911	7.864	12.659	17.346	-2.62	1948.8	1234.2	174.8	
190	4.591	4.585	9.911	7.855	12.644	17.325	-1.75	1949.5	1234.0	177.1	
200	4.806	4.799	9.905	7.841	12.624	17.299	-2.19	1950.7	1234.7	170.0	
210	5.024	5.016	9.901	7.828	12.605	17.274	-2.14	1951.8	1235.2	181.1	
220	5.244	5.235	9.905	7.821	12.591	17.254	-1.68	1952.5	1235.8	181.7	
230	5.463	5.454	9.902	7.807	12.571	17.228	-2.19	1953.7	1236.3	182.6	
240	5.682	5.672	9.905	7.798	12.555	17.206	-1.88	1954.6	1237.0	184.0	
250	5.892	5.881	9.905	7.786	12.537	17.182	-2.08	1955.7	1237.5	184.9	
260	6.101	6.089	9.906	7.774	12.519	17.158	-2.06	1956.8	1238.9	187.7	
270	6.308	6.295	9.902	7.757	12.497	17.131	-2.38	1958.3	1239.4	188.8	
280	6.511	6.497	9.898	7.741	12.475	17.103	-2.40	1959.9	1239.9	189.3	
290	6.725	6.710	9.899	7.727	12.455	17.078	-2.23	1961.2	1240.7	190.9	
300	6.942	6.926	9.905	7.716	12.438	17.055	-2.01	1962.3	1241.8	193.7	
325	7.485	7.466	9.902	7.672	12.380	16.982	-2.49	1966.6	1244.5	198.5	
350	8.027	8.005	9.904	7.628	12.321	16.910	-2.50	1970.9	1248.3	206.1	
375	8.578	8.552	9.896	7.571	12.251	16.825	-2.80	1976.6	1251.1	211.9	
400	9.129	9.100	9.900	7.521	12.186	16.747	-2.68	1981.8	1255.7	221.3	
425	9.681	9.648	9.903	7.465	12.117	16.664	-2.80	1987.5	1260.1	229.9	
450	10.235	10.198	9.896	7.398	12.036	16.570	-3.06	1994.3	1263.7	237.9	
475	10.804	10.762	9.892	7.327	11.952	16.472	-3.13	2001.6	1269.3	249.1	
500	11.393	11.347	9.902	7.261	11.871	16.379	-3.05	2008.6	1275.0	261.2	
550	12.550	12.494	9.907	7.108	11.692	16.173	-3.26	2024.6	1291.5	294.1	
600	13.699	13.632	9.915	6.943	11.502	15.958	-3.38	2041.9	1305.7	323.0	
650	14.839	14.760	9.914	6.759	11.293	15.726	-3.57	2061.4	1314.7	339.8	
700	15.987	15.896	9.909	6.556	11.067	15.477	-3.73	2082.8	1317.1	342.3	
750	17.139	17.034	9.914	6.346	10.835	15.222	-3.80	2105.1	1322.0	350.9	
800	18.323	18.204	9.906	6.107	10.573	14.939	-4.05	2130.4	1325.4	355.7	
850	19.489	19.355	9.906	5.864	10.308	14.653	-4.08	2156.3	1328.9	361.0	

AARI 069





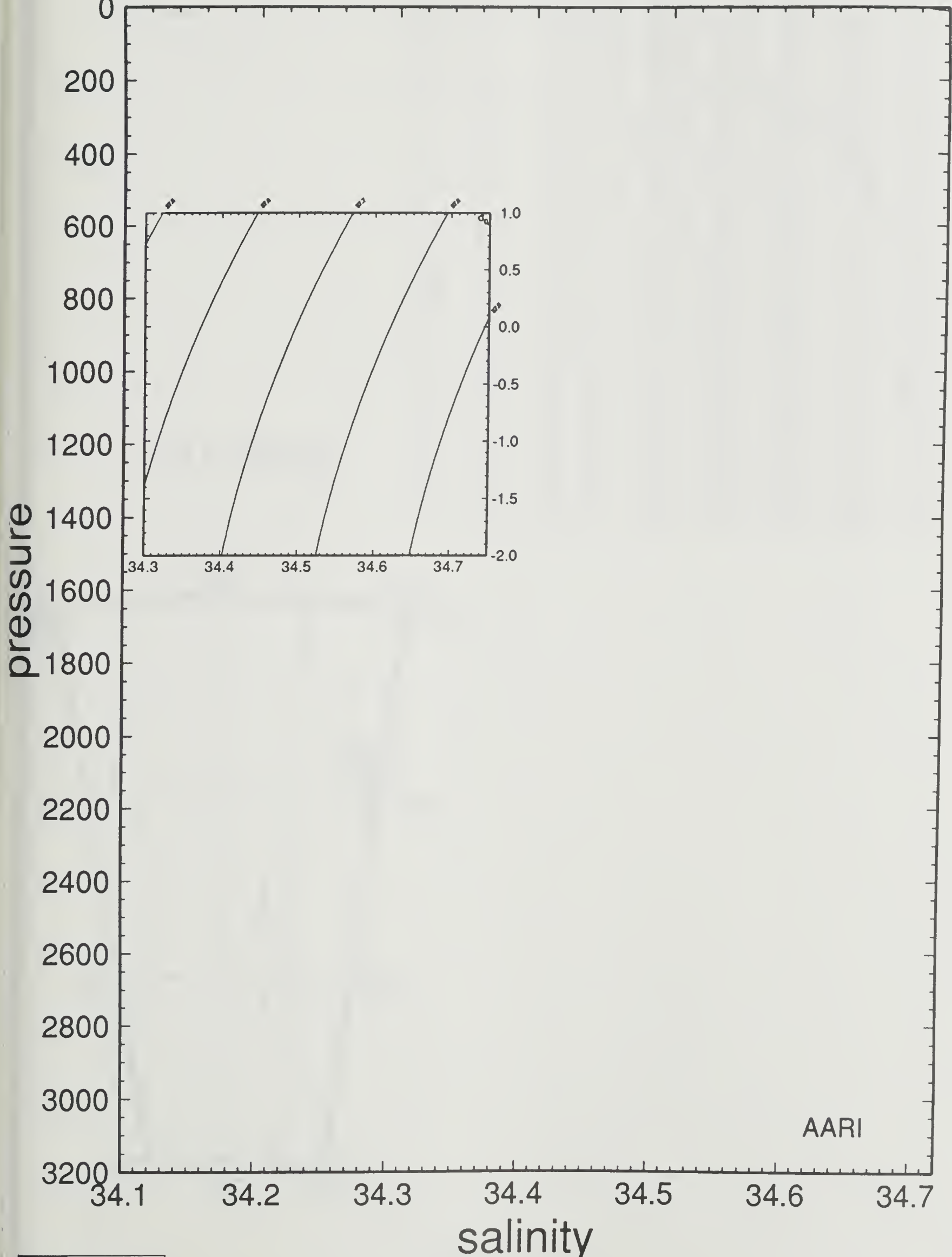
69

93/05/07 18:42

67 45.54 S 53 13.08 W

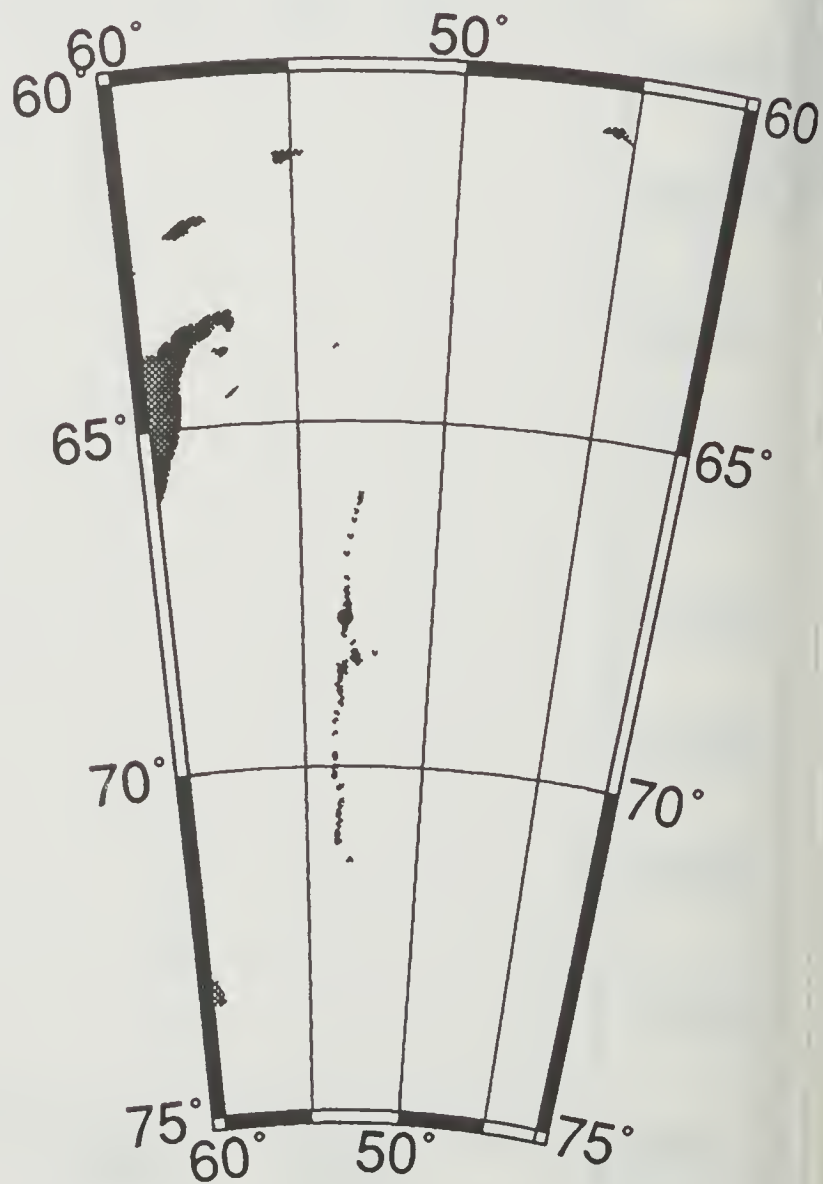
# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0

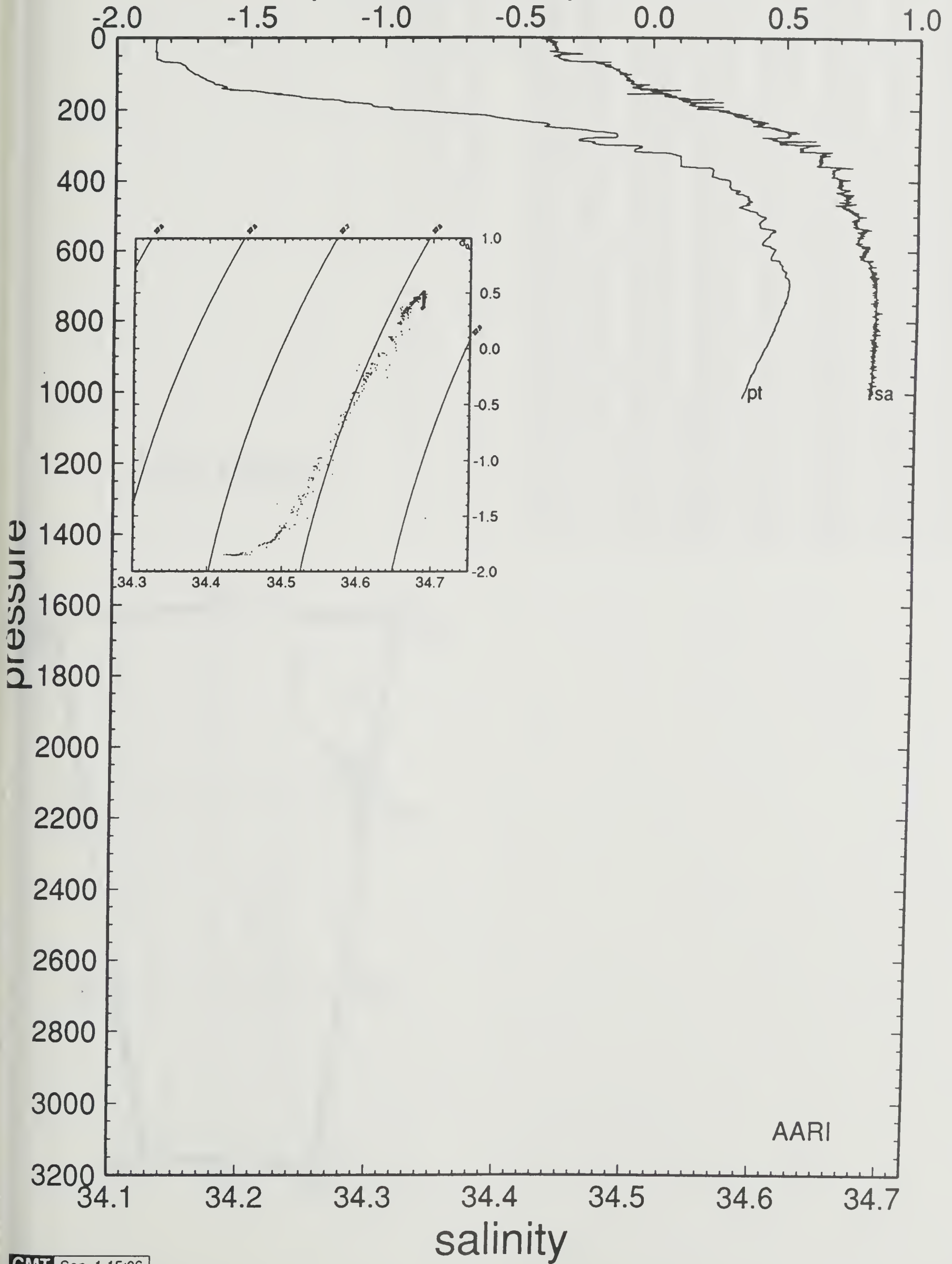


ISW-1	-67.824 S	-53.3407 W	93/05/08	129	17:01	RUSS_CTD	# 70				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.847	-1.847	34.426	27.716	32.486	37.148	0.00	37.0	5.6	-1.5	
10	-1.853	-1.853	34.433	27.721	32.492	37.154	1.35	36.4	6.7	-4.4	
20	-1.854	-1.854	34.437	27.725	32.495	37.158	1.01	36.0	6.9	-5.7	
30	-1.854	-1.855	34.437	27.725	32.495	37.158	0.04	35.9	6.8	-5.3	
40	-1.853	-1.854	34.437	27.725	32.495	37.158	-0.08	35.9	7.0	-5.2	
50	-1.851	-1.852	34.438	27.726	32.496	37.158	0.49	35.7	5.3	-5.8	
60	-1.852	-1.853	34.442	27.729	32.499	37.162	1.01	35.4	3.2	-5.2	
70	-1.768	-1.769	34.469	27.749	32.516	37.176	2.47	33.5	4.1	-6.2	
80	-1.744	-1.746	34.480	27.757	32.523	37.182	1.60	32.6	4.7	-5.1	
90	-1.732	-1.734	34.485	27.761	32.526	37.185	1.08	32.2	4.5	-5.1	
100	-1.713	-1.715	34.490	27.764	32.529	37.187	1.04	31.8	4.0	-4.8	
110	-1.685	-1.687	34.492	27.765	32.529	37.186	0.48	31.7	4.0	-4.5	
120	-1.658	-1.661	34.493	27.765	32.529	37.185	-0.14	31.7	4.4	-4.6	
130	-1.630	-1.633	34.498	27.768	32.531	37.186	0.99	31.3	3.5	-3.1	
140	-1.603	-1.606	34.499	27.768	32.530	37.185	-0.18	31.3	5.1	-4.4	
150	-1.464	-1.468	34.514	27.776	32.533	37.184	1.50	30.5	3.3	-4.0	
160	-1.353	-1.357	34.525	27.781	32.535	37.182	1.22	30.0	3.9	-2.6	
170	-1.255	-1.259	34.538	27.789	32.539	37.183	1.44	29.4	2.9	-2.7	
180	-1.137	-1.142	34.551	27.795	32.542	37.182	1.33	28.8	2.0	-2.1	
190	-1.045	-1.050	34.543	27.785	32.529	37.166	-1.81	29.8	2.3	-2.4	
200	-0.975	-0.981	34.549	27.787	32.529	37.164	0.74	29.6	2.0	-2.3	
210	-0.757	-0.763	34.570	27.795	32.530	37.159	1.46	28.9	2.6	-4.4	
220	-0.594	-0.601	34.578	27.795	32.525	37.148	-0.72	29.0	1.9	-5.3	
230	-0.502	-0.510	34.593	27.803	32.530	37.151	1.52	28.3	2.6	-6.0	
240	-0.386	-0.394	34.599	27.802	32.526	37.143	-0.65	28.4	2.3	-7.1	
250	-0.363	-0.372	34.607	27.808	32.530	37.147	1.28	27.9	2.6	-6.9	
260	-0.224	-0.233	34.617	27.809	32.528	37.140	0.28	27.9	3.2	-8.2	
270	-0.124	-0.134	34.619	27.806	32.521	37.131	-1.14	28.3	3.2	-9.1	
280	-0.226	-0.236	34.605	27.799	32.518	37.131	-1.29	28.8	3.4	-8.4	
290	-0.213	-0.223	34.617	27.809	32.527	37.139	1.67	27.9	4.3	-8.7	
300	-0.147	-0.158	34.632	27.817	32.534	37.144	1.60	27.1	2.5	-8.7	
325	0.088	0.075	34.646	27.816	32.526	37.129	-0.63	27.4	1.9	-8.9	
350	0.120	0.106	34.642	27.812	32.520	37.122	-0.81	27.9	2.4	-8.1	
375	0.242	0.227	34.654	27.815	32.519	37.118	0.46	27.7	1.7	-7.9	
400	0.306	0.289	34.658	27.814	32.517	37.114	-0.36	27.8	1.9	-8.1	
425	0.315	0.297	34.663	27.818	32.520	37.117	0.66	27.5	2.7	-7.6	
450	0.383	0.364	34.667	27.817	32.518	37.112	-0.43	27.7	2.8	-7.9	
475	0.349	0.329	34.661	27.814	32.516	37.112	-0.54	27.9	3.0	-6.6	
500	0.428	0.406	34.672	27.819	32.518	37.111	0.63	27.6	3.0	-7.3	
550	0.470	0.446	34.675	27.819	32.517	37.109	-0.18	27.7	2.6	-6.7	
600	0.488	0.461	34.680	27.822	32.519	37.111	0.42	27.5	1.5	-6.3	
650	0.521	0.491	34.683	27.823	32.519	37.110	0.05	27.6	1.2	-5.2	
700	0.549	0.517	34.685	27.823	32.519	37.109	-0.16	27.7	2.9	-4.9	
750	0.538	0.503	34.688	27.826	32.522	37.113	0.47	27.4	2.1	-5.1	
800	0.514	0.477	34.687	27.827	32.524	37.115	0.29	27.4	1.2	-5.2	
850	0.488	0.448	34.687	27.828	32.526	37.118	0.39	27.2	1.2	-4.3	
900	0.459	0.417	34.687	27.830	32.529	37.122	0.41	27.0	1.7	-3.9	
950	0.428	0.383	34.686	27.831	32.531	37.125	0.36	26.9	0.9	-3.3	
1000	0.404	0.356	34.685	27.832	32.533	37.127	0.31	26.8	1.0	-5.1	

AARI 070

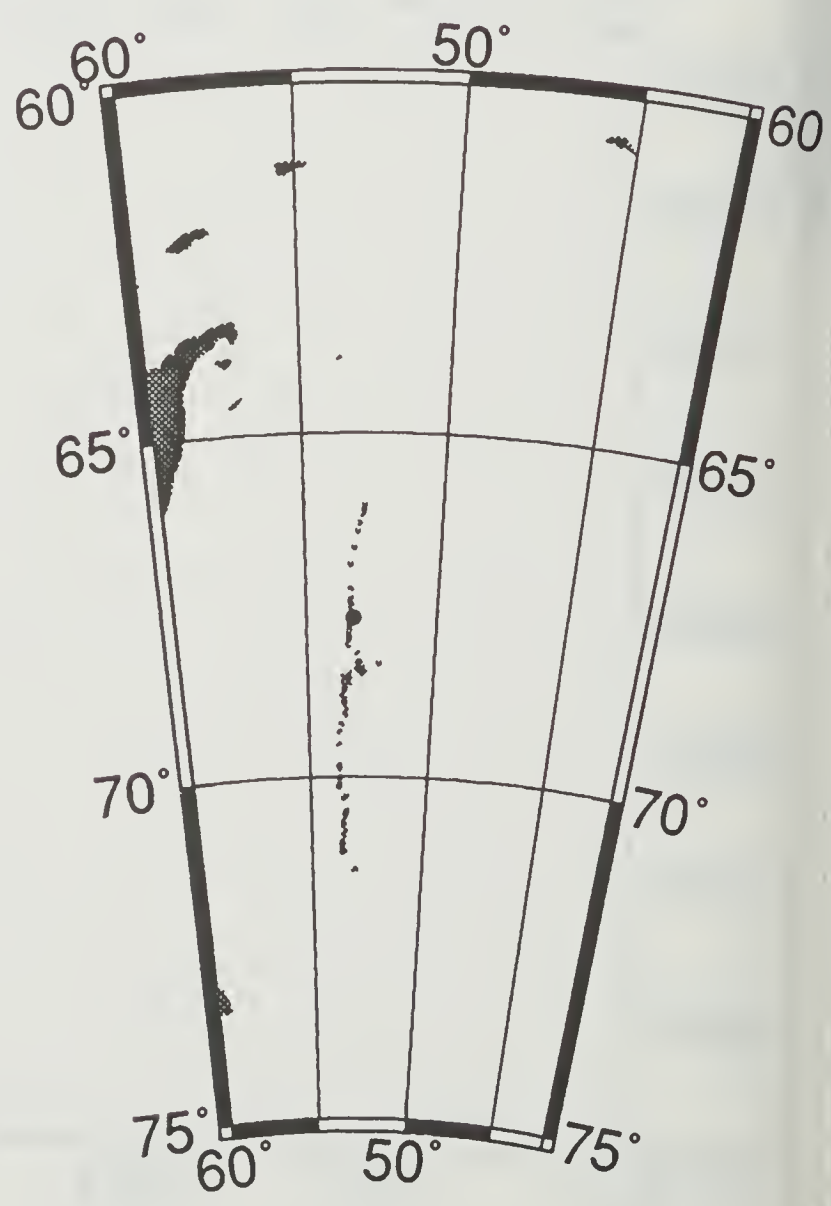


# potential temperature



ISW-1	-67.6727 S	-53.1887 W	93/05/09	130	17:08	RUSS CTD #71				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.702	-1.702	34.372	27.668	32.434	37.092	0.00	41.5	5.2	-3.9
10	-1.868	-1.868	34.394	27.690	32.461	37.125	2.65	39.3	3.7	-7.5
20	-1.868	-1.868	34.395	27.691	32.462	37.126	0.51	39.2	1.9	-7.0
30	-1.869	-1.870	34.399	27.694	32.465	37.129	1.01	38.8	0.9	-6.2
40	-1.864	-1.865	34.410	27.703	32.474	37.137	1.66	37.9	-0.3	-4.9
50	-1.862	-1.863	34.418	27.710	32.480	37.143	1.42	37.2	-0.4	-2.7
60	-1.830	-1.831	34.425	27.714	32.484	37.146	1.23	36.7	-1.3	-1.2
70	-1.793	-1.794	34.438	27.724	32.492	37.153	1.72	35.8	-0.2	-0.7
80	-1.737	-1.739	34.459	27.740	32.506	37.165	2.19	34.3	-1.1	-0.3
90	-1.728	-1.730	34.473	27.751	32.517	37.175	1.86	33.2	-0.3	-0.2
100	-1.705	-1.707	34.485	27.760	32.525	37.183	1.68	32.2	-0.9	-0.3
110	-1.666	-1.668	34.496	27.768	32.531	37.188	1.55	31.5	-0.5	-1.1
120	-1.606	-1.609	34.502	27.771	32.533	37.187	0.95	31.1	-0.8	-0.9
130	-1.457	-1.460	34.514	27.776	32.533	37.183	1.19	30.7	0.0	-1.5
140	-1.302	-1.306	34.524	27.779	32.531	37.176	0.85	30.4	1.6	-0.4
150	-1.331	-1.335	34.507	27.766	32.519	37.165	-1.99	31.6	0.2	-2.1
160	-1.413	-1.417	34.514	27.774	32.530	37.179	1.66	30.7	0.4	-2.1
170	-1.452	-1.456	34.517	27.778	32.535	37.185	1.11	30.3	0.8	-2.5
180	-1.362	-1.366	34.545	27.798	32.552	37.199	2.45	28.4	0.7	-2.1
190	-1.212	-1.217	34.550	27.797	32.546	37.188	-0.79	28.5	0.8	-3.2
200	-1.167	-1.172	34.544	27.790	32.538	37.179	-1.45	29.1	1.8	-2.2
210	-0.989	-0.995	34.556	27.793	32.536	37.171	0.77	28.9	2.5	-2.7
220	-0.806	-0.813	34.587	27.811	32.548	37.177	2.27	27.3	2.5	-3.1
230	-0.657	-0.664	34.585	27.803	32.535	37.161	-1.67	28.2	2.1	-3.4
240	-0.532	-0.540	34.605	27.814	32.542	37.163	1.74	27.2	0.2	-4.2
250	-0.399	-0.407	34.598	27.802	32.526	37.144	-2.00	28.4	0.8	-3.6
260	-0.290	-0.299	34.610	27.807	32.527	37.142	1.07	28.1	-0.9	-4.3
270	-0.350	-0.359	34.600	27.801	32.524	37.140	-1.21	28.5	-0.4	-4.3
280	-0.356	-0.366	34.635	27.830	32.552	37.169	2.99	25.8	-1.4	-5.9
290	-0.089	-0.100	34.624	27.808	32.522	37.131	-2.76	28.1	-0.4	-6.7
300	-0.155	-0.166	34.616	27.805	32.521	37.132	-0.88	28.3	-0.4	-6.5
325	0.075	0.062	34.636	27.809	32.519	37.122	0.51	28.1	-0.0	-6.3
350	0.197	0.183	34.649	27.813	32.519	37.119	0.58	27.8	0.3	-7.2
375	0.221	0.206	34.649	27.812	32.517	37.116	-0.44	28.0	0.9	-7.3
400	0.310	0.293	34.687	27.837	32.540	37.136	1.75	25.7	2.1	-7.4
425	0.390	0.372	34.660	27.811	32.511	37.106	-1.84	28.3	2.4	-6.8
450	0.454	0.435	34.669	27.815	32.513	37.106	0.59	28.0	3.2	-6.7
475	0.476	0.455	34.670	27.814	32.512	37.104	-0.30	28.1	2.9	-6.9
500	0.496	0.474	34.676	27.818	32.515	37.107	0.65	27.8	3.7	-6.8
550	0.515	0.491	34.675	27.816	32.513	37.104	-0.36	28.1	3.5	-5.5
600	0.536	0.509	34.681	27.820	32.516	37.106	0.46	27.8	4.0	-5.0
650	0.547	0.517	34.682	27.820	32.516	37.106	0.09	27.9	3.5	-4.9
700	0.535	0.503	34.683	27.822	32.518	37.109	0.35	27.7	2.8	-4.7
750	0.514	0.479	34.685	27.825	32.522	37.113	0.47	27.5	2.0	-4.0
800	0.487	0.450	34.683	27.825	32.523	37.115	0.23	27.5	1.2	-3.5
850	0.462	0.422	34.683	27.827	32.525	37.118	0.38	27.3	1.0	-3.0
900	0.435	0.393	34.684	27.829	32.529	37.122	0.45	27.1	1.6	-4.5
950	0.412	0.367	34.683	27.830	32.530	37.125	0.29	27.0	0.8	-4.2
1000	0.382	0.335	34.684	27.833	32.534	37.129	0.47	26.7	1.3	-3.4

AARI 071



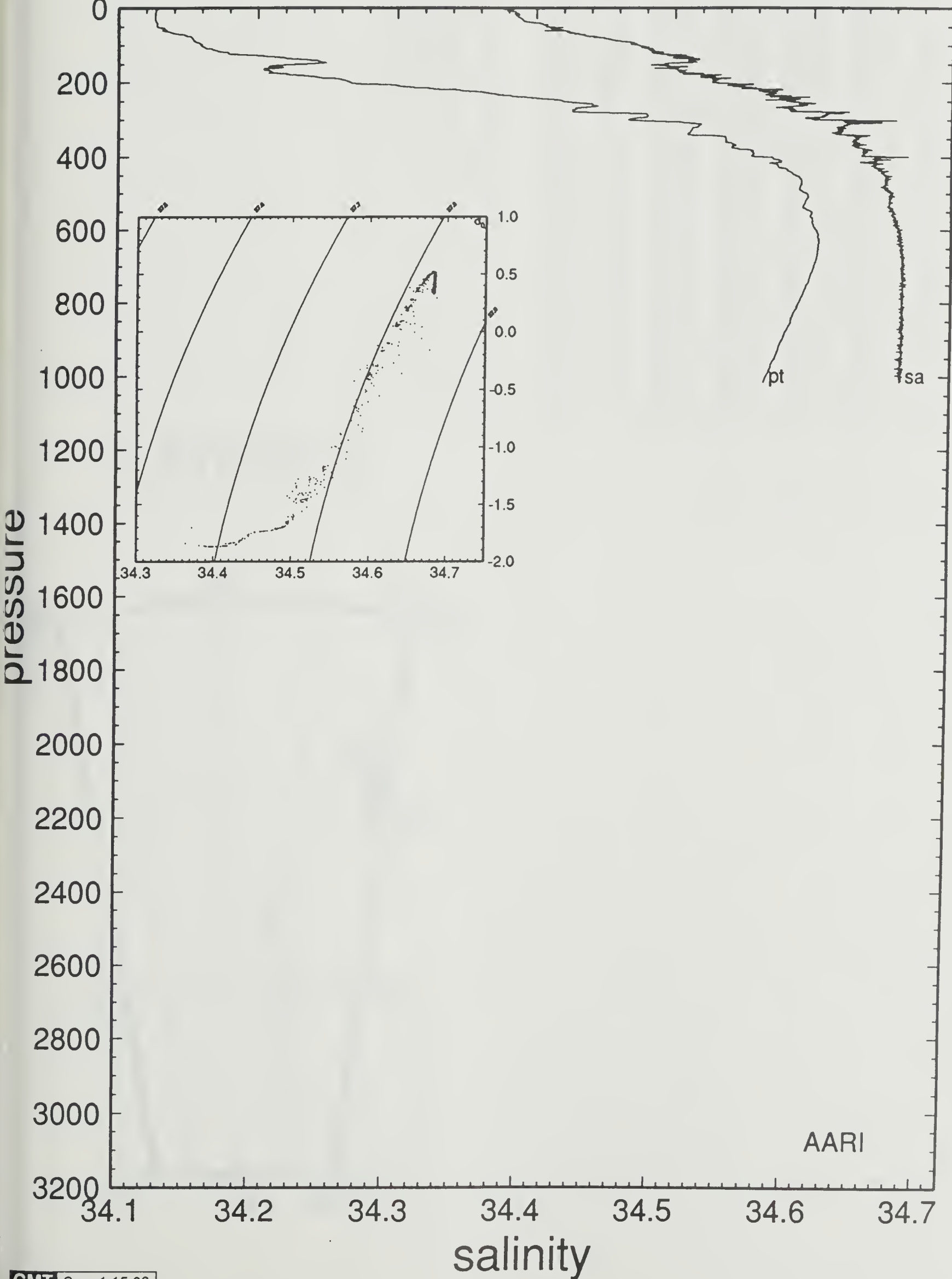
71

93/05/09 17:08

67 40.36 S 53 11.32 W

# potential temperature

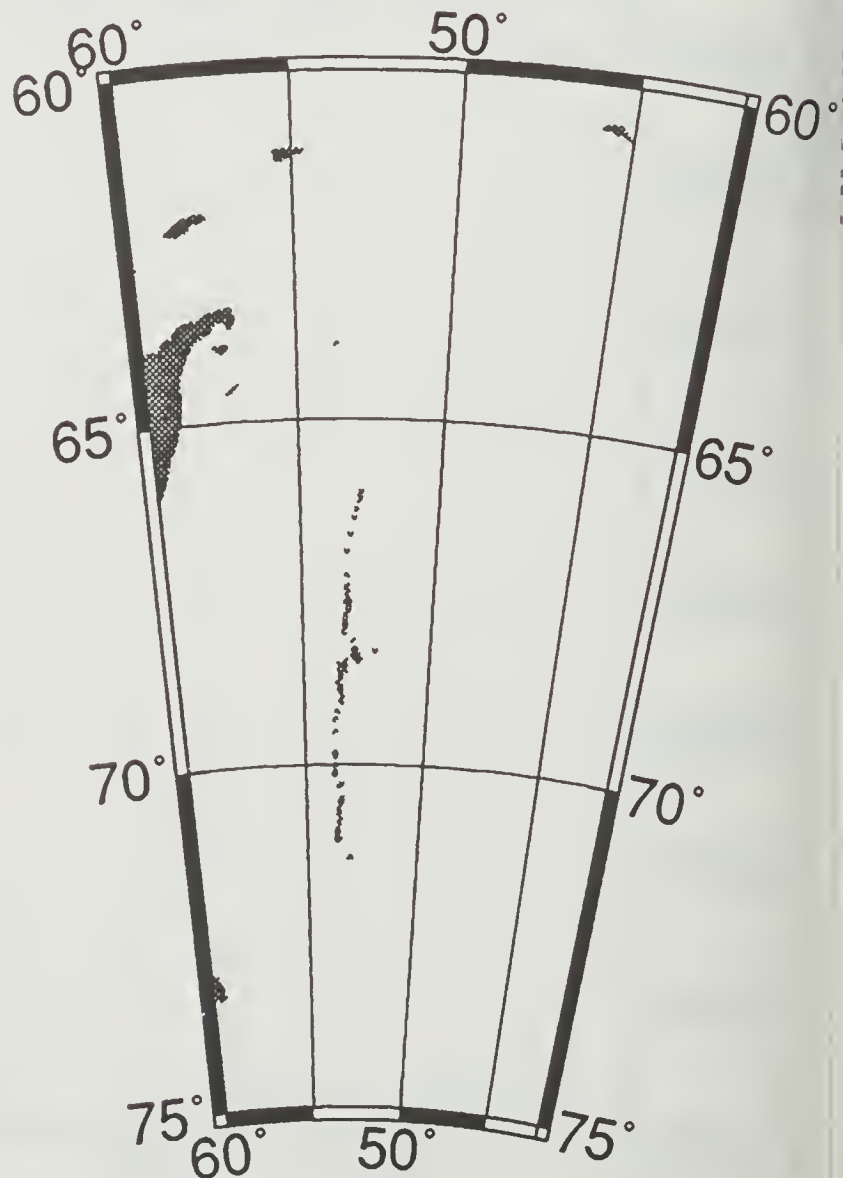
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI

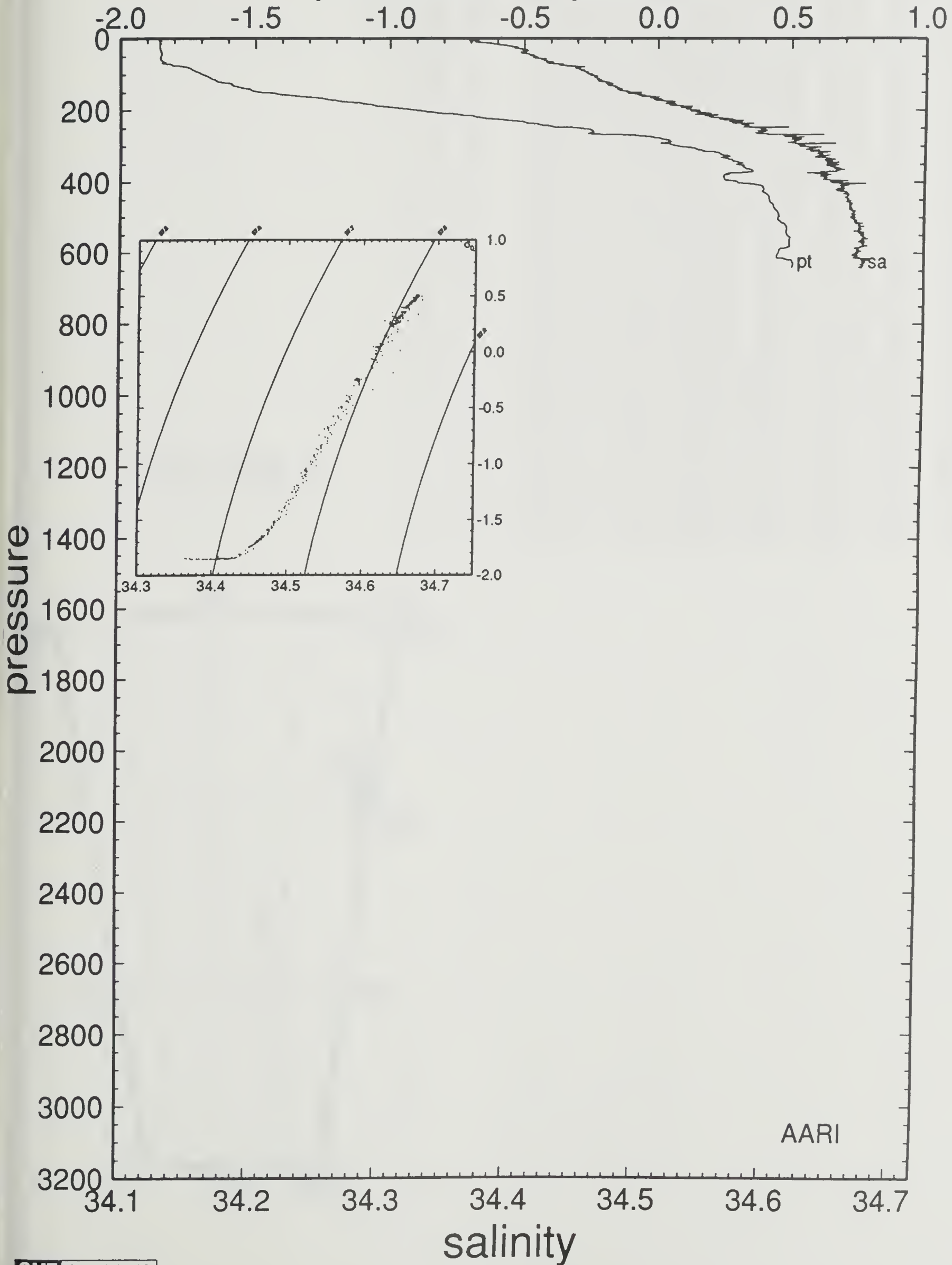
ISW-1	-67.6843 S	-53.2578 W	93/05/10	131	16:33	RUSS CTD # 72						
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL		
0	-1.829	-1.829	34.409	27.701	32.471	37.133	0.00	38.3	1.3	-0.3		
10	-1.855	-1.855	34.375	27.674	32.445	37.108	-2.91	40.8	6.8	3.6		
20	-1.855	-1.855	34.394	27.690	32.460	37.124	2.20	39.3	4.5	1.8		
30	-1.853	-1.854	34.408	27.701	32.472	37.135	1.88	38.2	3.6	-0.6		
40	-1.848	-1.849	34.410	27.703	32.473	37.136	0.68	38.0	3.7	3.9		
50	-1.850	-1.851	34.419	27.710	32.480	37.143	1.52	37.2	5.5	1.4		
60	-1.850	-1.851	34.425	27.715	32.485	37.148	1.24	36.7	5.3	-1.0		
70	-1.838	-1.839	34.434	27.722	32.492	37.154	1.48	36.0	5.0	-1.6		
80	-1.753	-1.755	34.451	27.733	32.500	37.160	1.88	34.8	3.7	-1.9		
90	-1.725	-1.727	34.455	27.736	32.502	37.161	0.87	34.5	3.8	-3.3		
100	-1.697	-1.699	34.461	27.740	32.505	37.163	1.12	34.1	2.6	-3.0		
110	-1.667	-1.669	34.466	27.743	32.507	37.164	0.99	33.8	3.3	-2.7		
120	-1.641	-1.644	34.468	27.744	32.507	37.163	0.49	33.6	2.8	-2.6		
130	-1.582	-1.585	34.475	27.748	32.509	37.164	1.08	33.2	3.2	-1.9		
140	-1.528	-1.528	34.483	27.753	32.512	37.165	1.19	32.8	3.7	-2.7		
150	-1.473	-1.477	34.491	27.758	32.515	37.166	1.20	32.3	3.9	-3.0		
160	-1.345	-1.349	34.500	27.761	32.515	37.161	0.88	32.0	3.0	-2.9		
170	-1.226	-1.230	34.512	27.766	32.516	37.159	1.25	31.5	2.6	-2.1		
180	-1.104	-1.109	34.521	27.769	32.515	37.155	0.83	31.2	2.6	-2.7		
190	-1.010	-1.015	34.538	27.780	32.523	37.159	1.74	30.3	3.8	-3.6		
200	-0.903	-0.909	34.541	27.778	32.518	37.151	-0.87	30.5	3.8	-4.5		
210	-0.768	-0.774	34.554	27.783	32.518	37.147	1.14	30.1	3.1	-3.4		
220	-0.666	-0.673	34.553	27.778	32.510	37.136	-1.35	30.6	3.0	-3.0		
230	-0.515	-0.523	34.577	27.790	32.518	37.139	1.91	29.5	5.2	-4.0		
240	-0.434	-0.442	34.578	27.788	32.513	37.132	-1.04	29.8	5.6	-4.2		
250	-0.287	-0.296	34.595	27.794	32.515	37.129	1.33	29.2	6.6	-4.1		
260	-0.233	-0.242	34.594	27.791	32.510	37.123	-1.10	29.6	6.6	-4.4		
270	-0.117	-0.127	34.611	27.799	32.514	37.124	1.48	28.9	7.9	-5.6		
280	0.017	0.006	34.619	27.798	32.510	37.115	-0.71	29.1	8.2	-3.2		
290	0.054	0.043	34.615	27.793	32.504	37.108	-1.31	29.6	7.8	-3.8		
300	0.079	0.067	34.625	27.800	32.509	37.113	1.43	28.9	8.1	-3.2		
325	0.255	0.242	34.639	27.802	32.506	37.104	0.07	28.9	7.6	-3.1		
350	0.320	0.306	34.648	27.805	32.508	37.104	0.61	28.7	6.3	-3.5		
375	0.314	0.299	34.639	27.798	32.501	37.098	-0.92	29.3	5.4	-4.1		
400	0.315	0.298	34.649	27.807	32.509	37.106	1.00	28.6	5.1	-2.1		
425	0.413	0.395	34.655	27.806	32.505	37.099	-0.49	28.8	5.3	-2.1		
450	0.438	0.419	34.661	27.809	32.508	37.101	0.62	28.5	6.2	-2.0		
475	0.459	0.438	34.663	27.810	32.508	37.100	0.15	28.5	5.2	-0.8		
500	0.476	0.454	34.665	27.810	32.508	37.100	0.24	28.5	5.1	-1.7		
550	0.511	0.487	34.673	27.815	32.512	37.103	0.50	28.2	3.2	-2.7		
600	0.482	0.455	34.668	27.813	32.510	37.102	-0.32	28.4	0.0	0.3		

AARI 072\_2



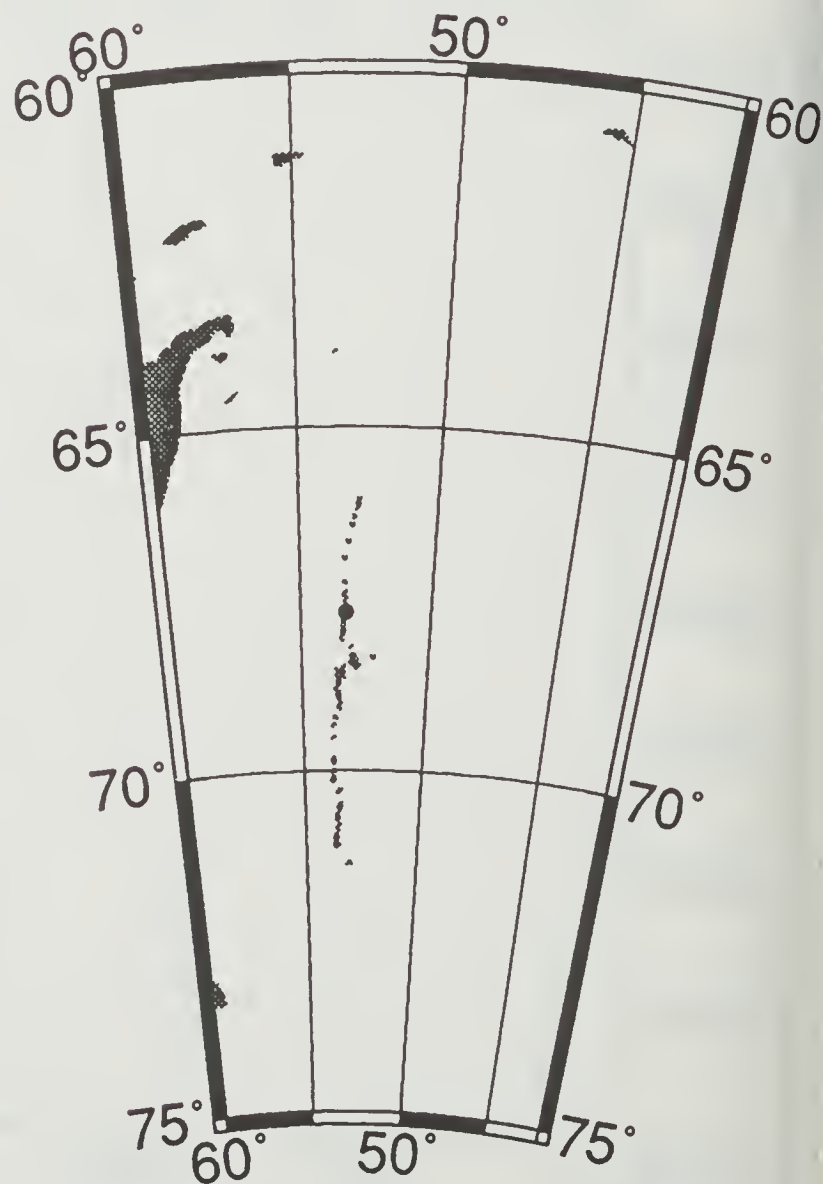
72 93/05/10 16:33 67 41.06 S 53 15.47 W

# potential temperature



ISW-1	-67.6843 S	-53.2578 W	93/05/10	131	17:30	RUSS CTD # 72					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.775	-1.775	34.414	27.704	32.472	37.132	0.00	38.1	-0.4	9.4	
10	-1.849	-1.849	34.417	27.708	32.479	37.141	1.18	37.6	6.7	1.9	
20	-1.846	-1.846	34.426	27.716	32.486	37.148	1.51	36.9	6.5	2.3	
30	-1.841	-1.842	34.436	27.724	32.493	37.156	1.58	36.0	5.4	0.2	
40	-1.837	-1.838	34.443	27.729	32.499	37.161	1.32	35.5	4.0	-0.7	
50	-1.841	-1.842	34.441	27.728	32.497	37.160	-0.69	35.5	5.1	2.1	
60	-1.833	-1.834	34.445	27.731	32.500	37.162	0.97	35.2	5.1	-2.1	
70	-1.800	-1.801	34.454	27.737	32.506	37.167	1.41	34.5	2.6	-2.5	
80	-1.737	-1.739	34.464	27.744	32.510	37.169	1.40	33.9	4.0	-1.9	
90	-1.720	-1.722	34.465	27.744	32.510	37.168	0.30	33.8	2.8	-2.0	
100	-1.688	-1.690	34.470	27.747	32.512	37.169	0.98	33.4	4.0	-2.2	
110	-1.654	-1.656	34.475	27.750	32.514	37.170	0.96	33.1	4.0	-3.1	
120	-1.622	-1.625	34.479	27.752	32.515	37.170	0.83	32.9	4.3	-1.9	
130	-1.571	-1.574	34.489	27.759	32.520	37.174	1.41	32.2	4.2	-2.8	
140	-1.482	-1.485	34.495	27.761	32.519	37.170	0.74	32.0	2.9	-2.9	
150	-1.381	-1.385	34.502	27.764	32.518	37.166	0.78	31.8	3.4	-2.6	
160	-1.265	-1.269	34.516	27.771	32.522	37.166	1.46	31.1	3.6	-1.8	
170	-1.166	-1.171	34.526	27.776	32.524	37.165	1.13	30.6	2.6	-2.2	
180	-1.037	-1.042	34.528	27.772	32.516	37.154	-1.10	31.0	2.3	-2.3	
190	-0.903	-0.909	34.543	27.779	32.519	37.152	1.39	30.4	2.1	-2.1	
200	-0.756	-0.762	34.552	27.781	32.516	37.144	0.34	30.3	3.0	-2.2	
210	-0.651	-0.658	34.554	27.778	32.510	37.135	-1.05	30.6	5.0	-2.6	
220	-0.484	-0.491	34.577	27.789	32.516	37.136	1.77	29.6	4.1	-3.5	
230	-0.410	-0.418	34.574	27.783	32.508	37.126	-1.41	30.2	4.6	-4.3	
240	-0.363	-0.371	34.581	27.787	32.510	37.126	0.99	29.9	5.5	-4.6	
250	-0.231	-0.240	34.599	27.795	32.514	37.126	1.50	29.2	6.0	-4.4	
260	-0.237	-0.246	34.580	27.780	32.499	37.112	-2.16	30.6	5.5	-4.1	
270	-0.015	-0.025	34.619	27.800	32.512	37.119	2.40	28.9	6.6	-4.2	
280	0.072	0.061	34.616	27.793	32.503	37.107	-1.55	29.6	7.6	-3.8	
290	0.073	0.062	34.617	27.794	32.504	37.107	0.49	29.5	7.4	-3.8	
300	0.157	0.145	34.625	27.796	32.503	37.104	0.61	29.4	6.5	-4.2	
325	0.293	0.280	34.639	27.800	32.503	37.100	0.56	29.2	6.0	-3.6	
350	0.343	0.329	34.639	27.797	32.498	37.094	-0.64	29.5	6.2	-3.0	
375	0.371	0.355	34.643	27.798	32.499	37.094	0.42	29.4	5.6	-3.1	
400	0.324	0.307	34.639	27.798	32.500	37.097	0.11	29.4	5.4	-3.3	
425	0.434	0.416	34.653	27.803	32.502	37.095	0.67	29.1	5.3	-2.4	
450	0.449	0.430	34.653	27.802	32.501	37.094	-0.35	29.2	4.7	-2.2	
475	0.477	0.456	34.661	27.807	32.505	37.097	0.75	28.8	3.7	-2.8	
500	0.487	0.465	34.661	27.807	32.504	37.096	-0.28	28.9	2.4	-2.7	
550	0.531	0.506	34.668	27.810	32.506	37.096	0.40	28.7	1.1	1.9	
600	0.495	0.468	34.665	27.810	32.507	37.099	0.18	28.7	2.2	-1.0	
650	0.558	0.528	34.674	27.813	32.509	37.099	0.40	28.5	3.3	1.1	
700	0.548	0.516	34.675	27.815	32.511	37.101	0.34	28.4	0.3	0.2	
750	0.523	0.488	34.675	27.816	32.513	37.104	0.37	28.3	1.5	0.1	
800	0.488	0.451	34.673	27.817	32.515	37.107	0.30	28.2	2.2	-1.3	
850	0.462	0.422	34.674	27.820	32.518	37.111	0.44	28.0	1.9	-1.6	
900	0.429	0.387	34.674	27.822	32.521	37.115	0.43	27.8	2.7	-0.7	
950	0.405	0.360	34.674	27.823	32.524	37.118	0.38	27.6	2.8	-0.9	
1000	0.385	0.338	34.673	27.824	32.525	37.120	0.27	27.5	2.0	-0.5	

AARI 072

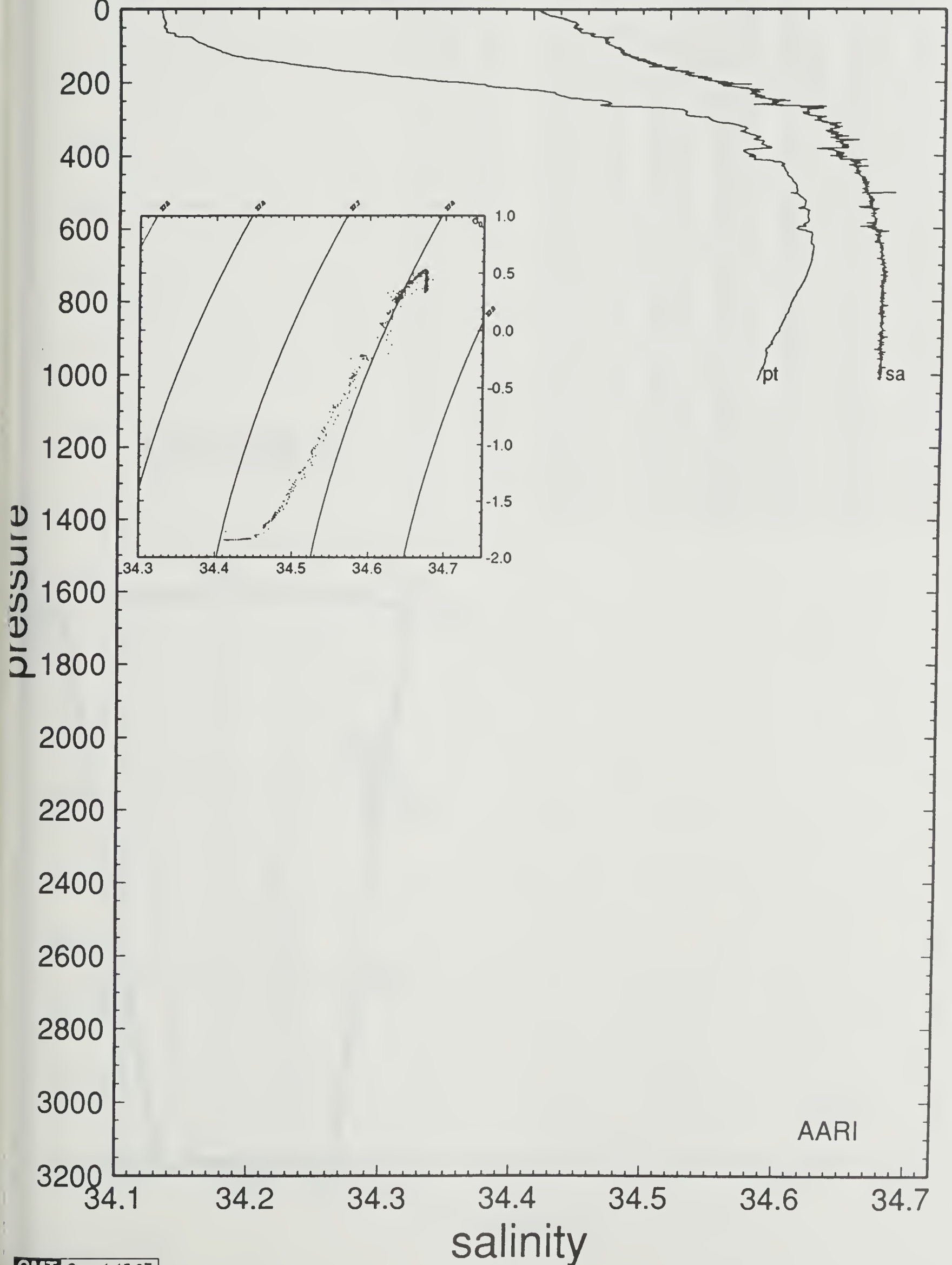




72 93/05/10 17:30 67 41.06 S 53 15.47 W

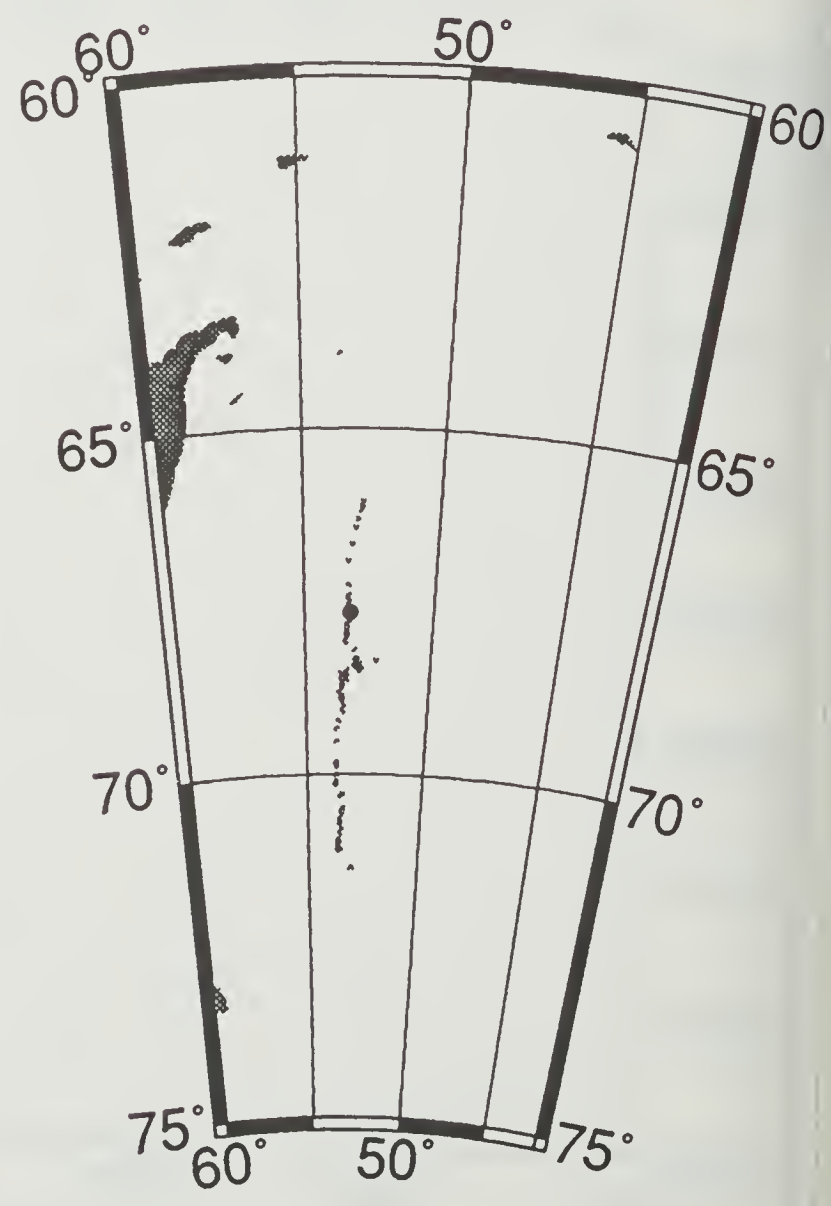
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-1	-67.6503 S	-53.2355 W	93/05/11	132	15:37	RUSS CTD # 73						
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL		
0	-1.787	-1.787	34.375	27.673	32.441	37.102	0.00	41.1	-6.7	9.8		
10	-1.851	-1.851	34.389	27.686	32.456	37.119	2.03	39.8	0.6	-0.4		
20	-1.857	-1.857	34.406	27.700	32.470	37.133	2.09	38.4	1.6	-3.6		
30	-1.857	-1.858	34.418	27.709	32.480	37.143	1.75	37.4	1.3	-2.9		
40	-1.852	-1.853	34.414	27.706	32.476	37.139	-1.03	37.6	1.1	-2.8		
50	-1.855	-1.856	34.429	27.718	32.489	37.152	1.96	36.4	3.6	-3.9		
60	-1.854	-1.855	34.433	27.722	32.492	37.155	1.01	36.1	3.0	-3.3		
70	-1.856	-1.857	34.437	27.725	32.495	37.158	1.02	35.7	3.6	-4.0		
80	-1.851	-1.853	34.443	27.730	32.500	37.162	1.22	35.2	4.1	-2.9		
90	-1.740	-1.742	34.461	27.741	32.508	37.167	1.88	34.0	3.7	-3.3		
100	-1.745	-1.747	34.460	27.741	32.507	37.166	-0.45	34.0	5.2	-3.7		
110	-1.718	-1.720	34.470	27.748	32.514	37.172	1.51	33.3	5.1	-4.0		
120	-1.681	-1.684	34.474	27.750	32.515	37.172	0.80	33.1	5.7	-4.5		
130	-1.642	-1.645	34.483	27.756	32.520	37.175	1.37	32.4	4.9	-4.7		
140	-1.582	-1.585	34.484	27.755	32.517	37.171	-0.62	32.5	5.6	-4.0		
150	-1.466	-1.470	34.508	27.771	32.529	37.179	2.19	31.0	6.1	-3.7		
160	-1.351	-1.355	34.505	27.765	32.519	37.166	-1.45	31.6	4.6	-3.2		
170	-1.260	-1.264	34.520	27.774	32.525	37.169	1.64	30.7	4.2	-3.1		
180	-1.065	-1.070	34.534	27.778	32.523	37.161	1.00	30.4	4.2	-2.9		
190	-0.925	-0.930	34.552	27.788	32.528	37.162	1.62	29.6	4.2	-2.6		
200	-0.643	-0.649	34.579	27.798	32.529	37.154	1.62	28.8	4.8	-2.2		
210	-0.388	-0.395	34.593	27.797	32.521	37.138	-0.77	28.9	6.4	-3.4		
220	-0.246	-0.254	34.602	27.798	32.517	37.130	-0.39	28.9	6.9	-3.2		
230	-0.077	-0.085	34.617	27.802	32.516	37.124	0.88	28.7	8.2	-3.1		
240	-0.019	-0.028	34.619	27.800	32.513	37.119	-0.75	28.9	8.2	-2.9		
250	0.049	0.040	34.624	27.801	32.511	37.115	-0.11	28.9	8.6	-2.7		
260	0.059	0.049	34.622	27.798	32.509	37.113	-0.83	29.1	8.9	-2.1		
270	0.102	0.092	34.647	27.816	32.525	37.128	2.34	27.4	9.8	-1.9		
280	0.198	0.187	34.638	27.804	32.510	37.110	-2.04	28.7	9.7	-1.9		
290	0.193	0.182	34.637	27.803	32.509	37.110	-0.38	28.7	9.0	-1.4		
300	0.213	0.201	34.639	27.804	32.509	37.109	0.33	28.7	9.3	-1.2		
325	0.135	0.122	34.636	27.806	32.514	37.116	0.58	28.4	9.2	-1.2		
350	0.139	0.125	34.633	27.803	32.511	37.113	-0.57	28.7	8.0	-0.8		
375	0.248	0.233	34.645	27.807	32.511	37.110	0.56	28.5	7.0	-0.4		
400	0.311	0.294	34.649	27.807	32.509	37.106	-0.35	28.6	8.8	-0.5		
425	0.317	0.299	34.651	27.808	32.511	37.107	0.40	28.5	7.5	-0.3		
450	0.417	0.398	34.664	27.813	32.512	37.106	0.66	28.1	5.9	-0.9		
475	0.465	0.444	34.666	27.812	32.510	37.102	-0.47	28.3	7.4	0.8		
500	0.468	0.446	34.666	27.812	32.510	37.102	-0.13	28.4	6.1	1.9		
550	0.461	0.437	34.664	27.811	32.509	37.101	-0.24	28.5	6.7	3.6		
600	0.506	0.479	34.669	27.812	32.509	37.100	0.22	28.5	5.2	2.2		
650	0.520	0.490	34.672	27.814	32.511	37.101	0.31	28.4	5.2	2.7		
700	0.532	0.500	34.677	27.817	32.514	37.104	0.45	28.2	4.3	1.7		
750	0.518	0.483	34.678	27.819	32.516	37.107	0.37	28.0	3.1	1.3		
800	0.496	0.459	34.675	27.818	32.516	37.108	-0.15	28.1	3.7	3.5		
850	0.469	0.429	34.675	27.820	32.518	37.111	0.39	28.0	5.0	3.4		
900	0.435	0.393	34.675	27.822	32.522	37.115	0.44	27.7	5.5	3.0		
950	0.404	0.359	34.674	27.823	32.524	37.118	0.36	27.6	4.6	0.8		
1000	0.383	0.336	34.674	27.825	32.526	37.121	0.36	27.4	5.6	1.1		

AARI 073



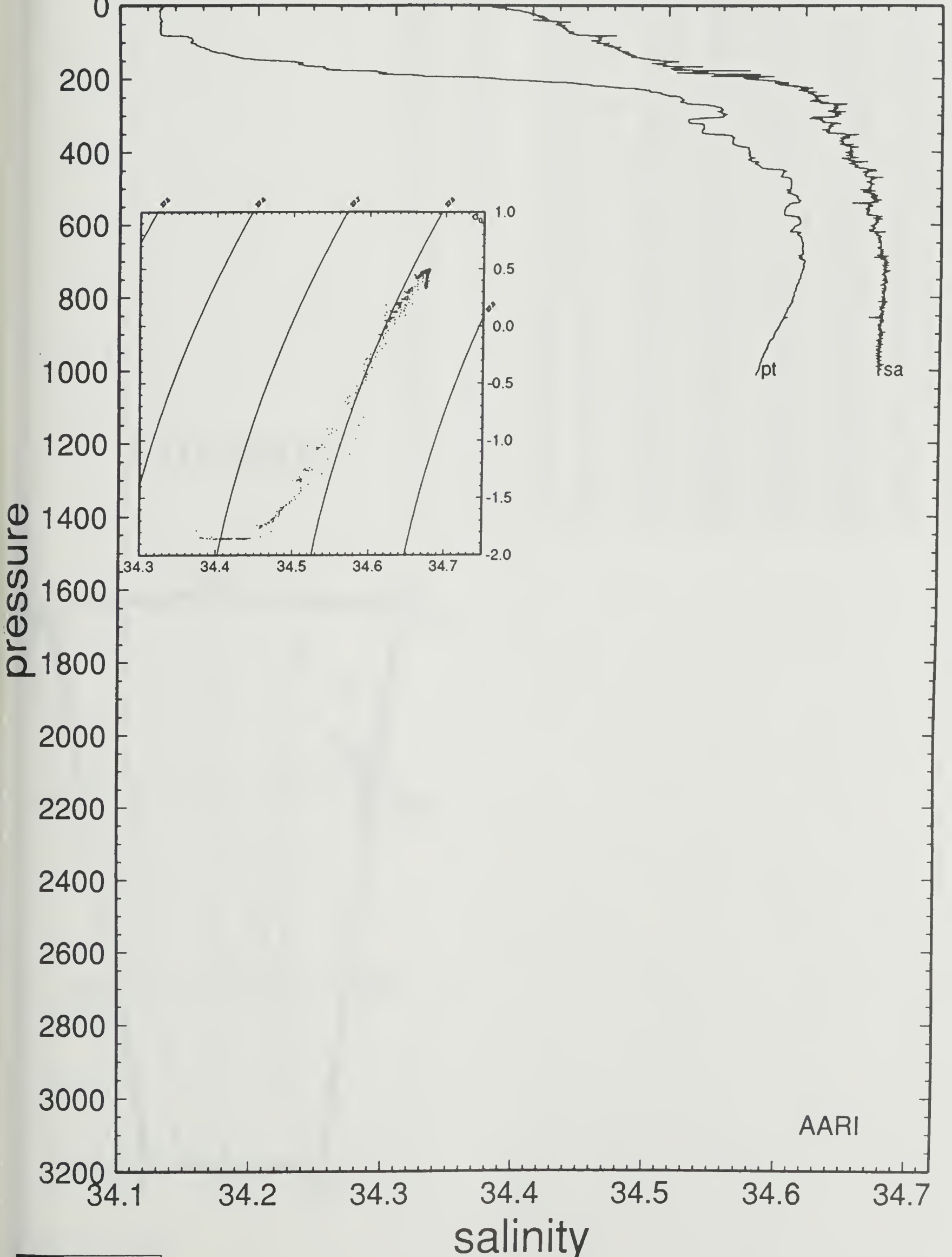
73

93/05/11 15:37

67 39.02 S 53 14.13 W

# potential temperature

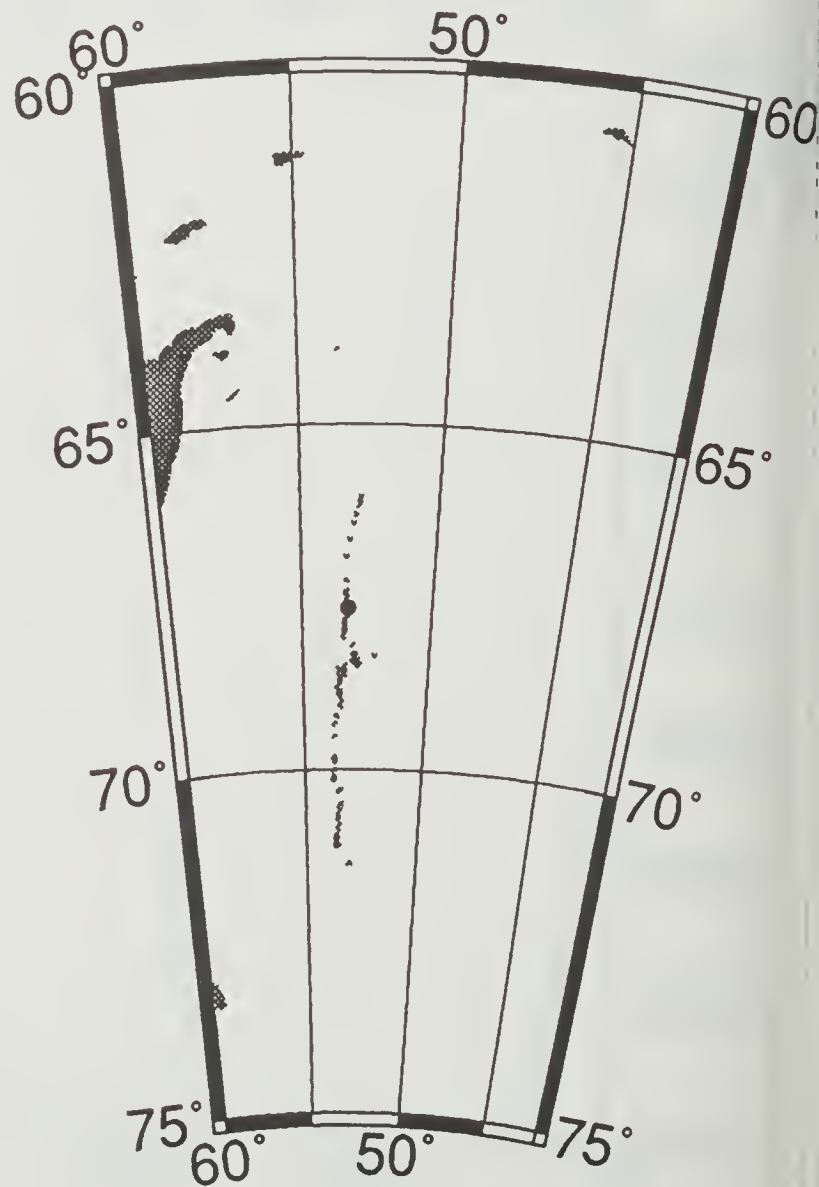
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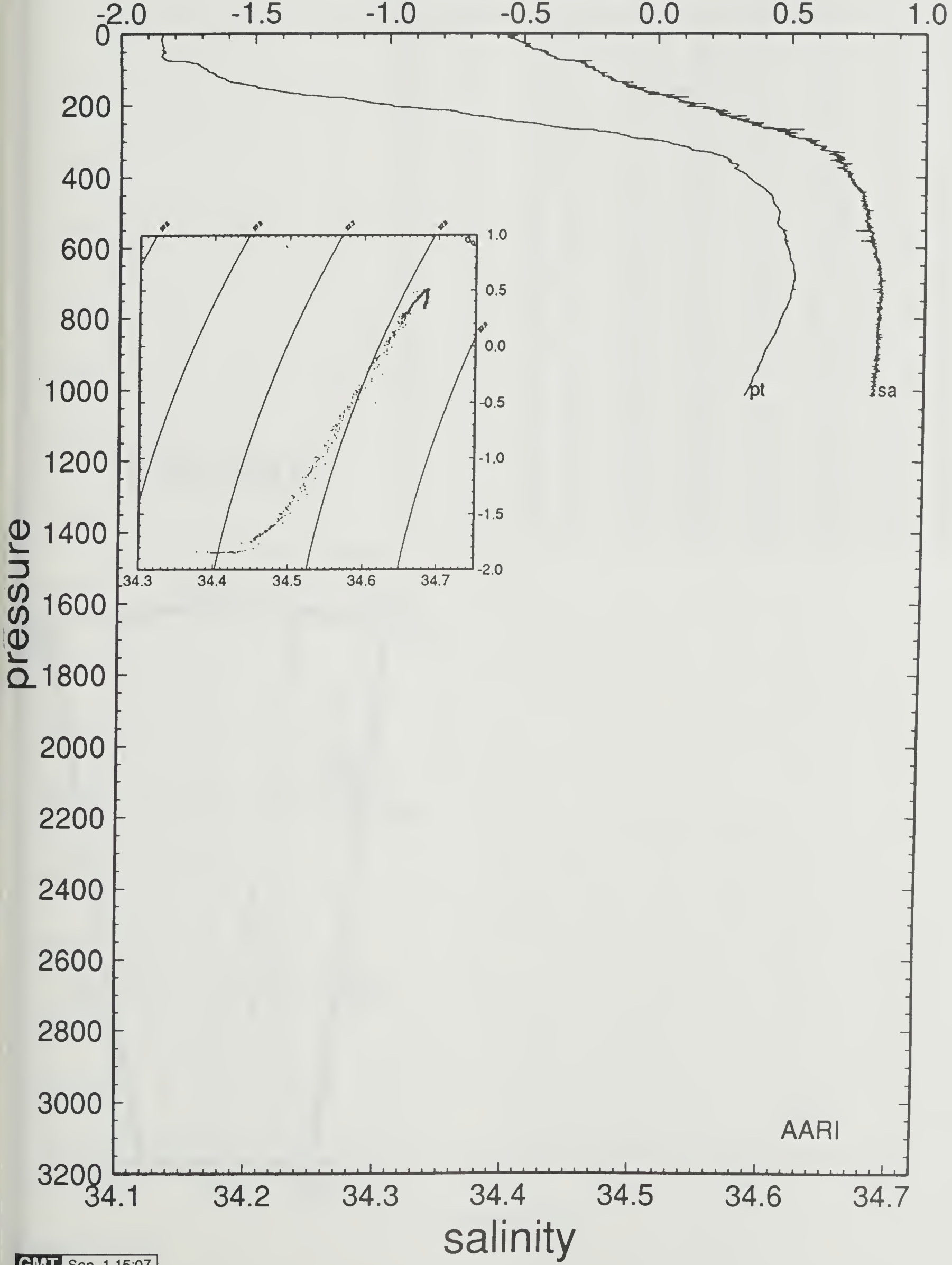
AARI

ISW-1	-67.6508 S	-53.206 W	93/05/12	133	16:12	RUSS CTD	#74				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.763	-1.763	34.438	27.723	32.490	37.150	0.00	36.3	-5.1	11.3	
10	-1.850	-1.850	34.400	27.695	32.465	37.128	-2.99	38.9	9.2	4.9	
20	-1.850	-1.850	34.405	27.699	32.469	37.132	1.13	38.5	10.2	3.0	
30	-1.848	-1.849	34.412	27.704	32.475	37.137	1.33	37.9	10.8	3.1	
40	-1.844	-1.845	34.414	27.706	32.476	37.139	0.69	37.7	11.1	2.9	
50	-1.840	-1.841	34.423	27.713	32.483	37.145	1.50	36.9	11.5	2.6	
60	-1.848	-1.849	34.429	27.718	32.488	37.151	1.26	36.4	10.8	3.3	
70	-1.839	-1.840	34.433	27.721	32.491	37.153	0.97	36.0	11.7	3.8	
80	-1.746	-1.748	34.452	27.734	32.501	37.160	1.99	34.8	10.6	3.0	
90	-1.705	-1.707	34.457	27.737	32.502	37.160	0.94	34.5	11.9	2.2	
100	-1.681	-1.683	34.464	27.742	32.507	37.164	1.24	33.9	11.2	1.8	
110	-1.662	-1.664	34.471	27.747	32.511	37.168	1.26	33.4	11.8	2.0	
120	-1.642	-1.645	34.474	27.749	32.512	37.168	0.75	33.2	11.6	2.8	
130	-1.610	-1.613	34.476	27.750	32.512	37.167	0.42	33.1	11.5	1.5	
140	-1.544	-1.547	34.488	27.757	32.518	37.170	1.53	32.3	10.4	0.7	
150	-1.494	-1.498	34.491	27.758	32.517	37.168	0.45	32.2	10.9	0.8	
160	-1.417	-1.421	34.502	27.765	32.521	37.170	1.38	31.6	11.2	1.9	
170	-1.330	-1.334	34.506	27.765	32.518	37.165	-0.17	31.5	10.4	1.7	
180	-1.166	-1.171	34.521	27.772	32.520	37.161	1.31	31.0	10.5	-1.0	
190	-1.093	-1.098	34.531	27.777	32.523	37.162	1.25	30.5	9.7	0.1	
200	-0.994	-1.000	34.541	27.781	32.524	37.160	1.08	30.1	10.6	0.1	
210	-0.881	-0.887	34.550	27.784	32.523	37.156	0.81	29.9	10.6	-1.3	
220	-0.745	-0.752	34.557	27.784	32.519	37.147	-0.51	29.9	10.2	0.7	
230	-0.688	-0.695	34.565	27.788	32.521	37.148	1.07	29.5	10.1	0.0	
240	-0.591	-0.599	34.579	27.795	32.525	37.149	1.41	28.9	11.3	0.5	
250	-0.463	-0.471	34.591	27.799	32.525	37.145	0.96	28.6	11.2	1.6	
260	-0.389	-0.398	34.590	27.795	32.519	37.136	-1.23	29.1	11.9	3.9	
270	-0.223	-0.233	34.605	27.799	32.518	37.130	0.93	28.8	13.0	1.7	
280	-0.140	-0.150	34.613	27.802	32.518	37.128	0.71	28.6	13.6	3.3	
290	-0.099	-0.110	34.616	27.802	32.517	37.126	0.01	28.6	13.1	2.6	
300	0.016	0.005	34.627	27.805	32.516	37.122	0.77	28.4	11.8	2.3	
325	0.134	0.121	34.639	27.808	32.516	37.118	0.54	28.2	13.8	0.4	
350	0.274	0.260	34.653	27.812	32.516	37.113	0.52	28.0	12.2	3.0	
375	0.304	0.289	34.652	27.809	32.512	37.109	-0.59	28.3	11.9	3.1	
400	0.352	0.335	34.660	27.813	32.515	37.110	0.63	28.0	11.7	2.5	
425	0.398	0.380	34.665	27.815	32.515	37.109	0.33	27.9	11.5	3.2	
450	0.440	0.421	34.672	27.818	32.517	37.110	0.58	27.7	10.8	0.5	
475	0.454	0.433	34.672	27.817	32.516	37.108	-0.34	27.8	10.3	1.8	
500	0.477	0.455	34.676	27.819	32.517	37.109	0.45	27.7	10.3	2.2	
550	0.492	0.468	34.677	27.819	32.517	37.108	-0.09	27.8	10.2	1.4	
600	0.514	0.487	34.681	27.821	32.518	37.109	0.33	27.7	9.2	1.3	
650	0.539	0.509	34.684	27.822	32.518	37.109	0.20	27.7	8.7	0.7	
700	0.543	0.511	34.686	27.824	32.520	37.110	0.30	27.6	8.0	1.7	
750	0.530	0.495	34.685	27.824	32.520	37.111	0.17	27.6	7.8	1.1	
800	0.501	0.464	34.686	27.827	32.524	37.116	0.46	27.3	8.2	1.8	
850	0.477	0.437	34.683	27.826	32.524	37.116	-0.11	27.4	7.2	1.0	
900	0.445	0.403	34.684	27.829	32.528	37.121	0.48	27.1	6.7	0.9	
950	0.421	0.376	34.683	27.829	32.529	37.124	0.30	27.0	7.6	1.9	
1000	0.391	0.344	34.681	27.830	32.531	37.126	0.28	27.0	7.8	0.8	

AARI 074

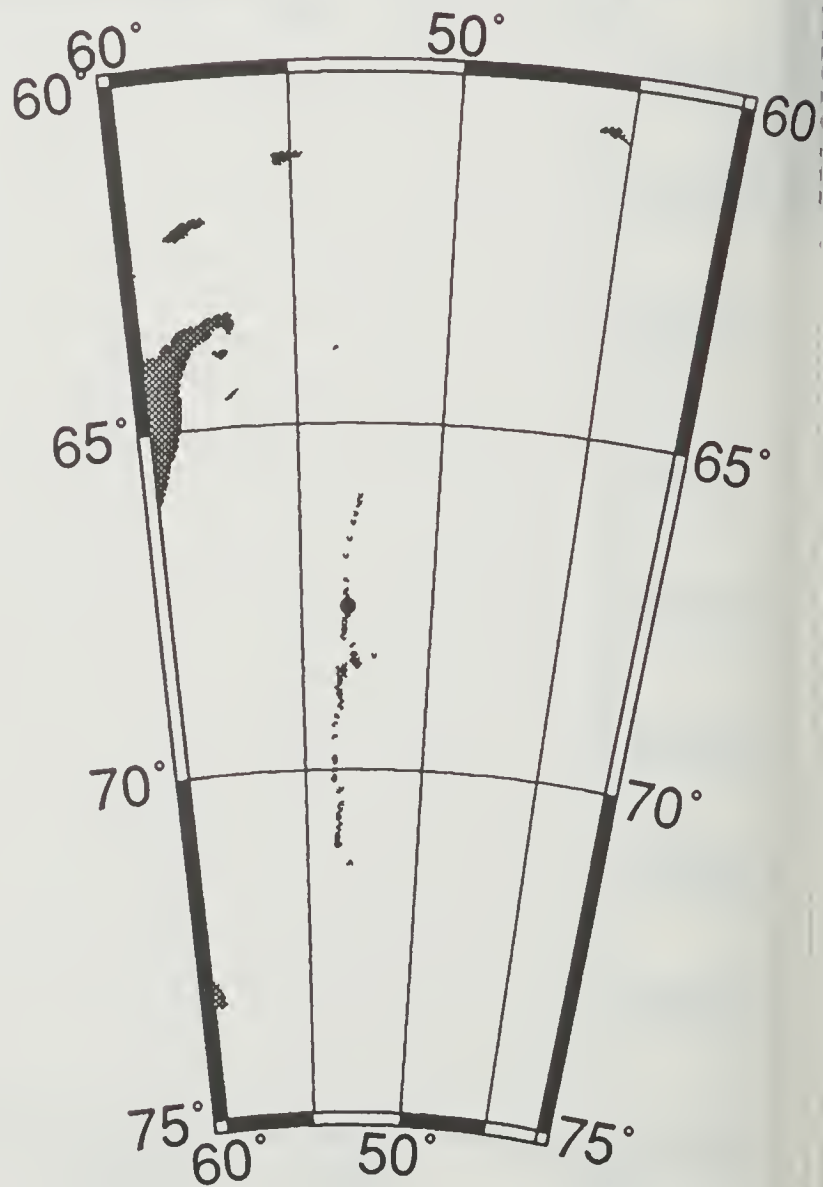


# potential temperature



ISW-1	-67.6175 S	-53.2093 W	93/05/13	134	15:59	RUSS CTD # 75					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.814	-1.814	34.462	27.744	32.513	37.174	0.00	34.3	-0.7	-3.7	
10	-1.842	-1.842	34.431	27.720	32.489	37.152	-2.77	36.5	1.5	0.0	
20	-1.844	-1.844	34.438	27.725	32.495	37.158	1.34	35.9	4.0	-0.4	
30	-1.846	-1.847	34.444	27.730	32.500	37.163	1.24	35.4	4.4	-1.0	
40	-1.847	-1.848	34.445	27.731	32.501	37.164	0.51	35.3	4.5	-1.0	
50	-1.843	-1.844	34.448	27.733	32.503	37.166	0.85	35.0	3.4	-1.3	
60	-1.825	-1.826	34.452	27.736	32.505	37.167	0.93	34.7	3.8	-1.5	
70	-1.831	-1.832	34.449	27.734	32.503	37.165	-0.84	34.8	3.0	-1.4	
80	-1.775	-1.777	34.464	27.745	32.512	37.172	1.82	33.8	2.8	-2.1	
90	-1.719	-1.721	34.470	27.748	32.514	37.172	1.00	33.4	3.6	-1.9	
100	-1.687	-1.689	34.472	27.749	32.513	37.171	0.44	33.3	3.4	-2.4	
110	-1.674	-1.676	34.478	27.753	32.517	37.174	1.18	32.8	3.8	-2.6	
120	-1.635	-1.638	34.482	27.755	32.518	37.174	0.79	32.6	3.6	-3.2	
130	-1.580	-1.583	34.486	27.757	32.518	37.172	0.66	32.4	2.6	-2.0	
140	-1.554	-1.557	34.491	27.760	32.521	37.174	0.99	32.0	3.2	-2.0	
150	-1.523	-1.526	34.493	27.761	32.520	37.172	0.41	31.9	3.4	-2.4	
160	-1.446	-1.450	34.496	27.761	32.518	37.168	-0.34	31.9	3.7	-2.6	
170	-1.390	-1.394	34.508	27.769	32.524	37.172	1.54	31.2	3.9	-3.0	
180	-1.237	-1.242	34.526	27.778	32.528	37.172	1.63	30.3	4.4	-3.4	
190	-1.137	-1.142	34.539	27.785	32.532	37.172	1.41	29.7	3.7	-2.2	
200	-1.005	-1.011	34.537	27.779	32.522	37.158	-1.52	30.3	4.6	-3.4	
210	-0.885	-0.891	34.545	27.780	32.520	37.152	0.56	30.2	3.7	-2.6	
220	-0.787	-0.794	34.554	27.784	32.520	37.149	0.91	29.9	3.6	-2.8	
230	-0.659	-0.666	34.563	27.786	32.518	37.143	0.55	29.8	2.6	-1.8	
240	-0.567	-0.575	34.581	27.796	32.525	37.148	1.75	28.9	2.5	-0.9	
250	-0.387	-0.396	34.585	27.791	32.515	37.132	-1.41	29.5	2.2	0.9	
260	-0.315	-0.324	34.591	27.792	32.514	37.129	0.52	29.4	1.9	1.1	
270	-0.198	-0.208	34.600	27.794	32.512	37.124	0.43	29.3	2.8	0.5	
280	-0.093	-0.103	34.610	27.797	32.512	37.120	0.77	29.1	1.6	0.8	
290	-0.065	-0.076	34.616	27.800	32.514	37.122	1.00	28.8	1.5	1.4	
300	-0.024	-0.035	34.620	27.801	32.514	37.121	0.49	28.7	1.9	1.8	
325	0.151	0.138	34.636	27.805	32.512	37.114	0.49	28.5	1.7	1.6	
350	0.226	0.212	34.640	27.804	32.509	37.109	-0.45	28.7	2.1	1.1	
375	0.334	0.318	34.649	27.805	32.507	37.103	0.09	28.7	1.8	0.9	
400	0.380	0.363	34.651	27.804	32.505	37.100	-0.43	28.9	2.0	0.8	
425	0.427	0.409	34.659	27.808	32.507	37.101	0.63	28.6	2.0	1.2	
450	0.439	0.420	34.657	27.806	32.505	37.098	-0.54	28.8	3.2	0.6	
475	0.461	0.440	34.661	27.808	32.506	37.099	0.46	28.7	3.1	-0.0	
500	0.462	0.440	34.662	27.809	32.507	37.099	0.32	28.6	3.5	-0.0	
550	0.458	0.434	34.662	27.809	32.508	37.100	0.17	28.6	3.5	-0.1	
600	0.492	0.465	34.668	27.812	32.510	37.101	0.39	28.5	3.5	-0.7	
650	0.519	0.489	34.672	27.814	32.511	37.102	0.29	28.4	3.0	-1.2	
700	0.547	0.515	34.675	27.815	32.511	37.101	0.16	28.4	3.6	-1.8	
750	0.534	0.499	34.677	27.817	32.514	37.104	0.42	28.2	3.8	-2.4	
800	0.517	0.480	34.676	27.818	32.515	37.106	0.22	28.2	4.6	-2.1	
850	0.482	0.442	34.676	27.820	32.518	37.110	0.44	28.0	4.5	-2.1	
900	0.449	0.407	34.675	27.821	32.520	37.114	0.37	27.8	5.4	-3.7	
950	0.406	0.361	34.672	27.821	32.522	37.117	0.30	27.8	3.8	-3.5	
1000	0.380	0.333	34.673	27.824	32.525	37.121	0.45	27.5	4.6	-3.5	

AARI 075



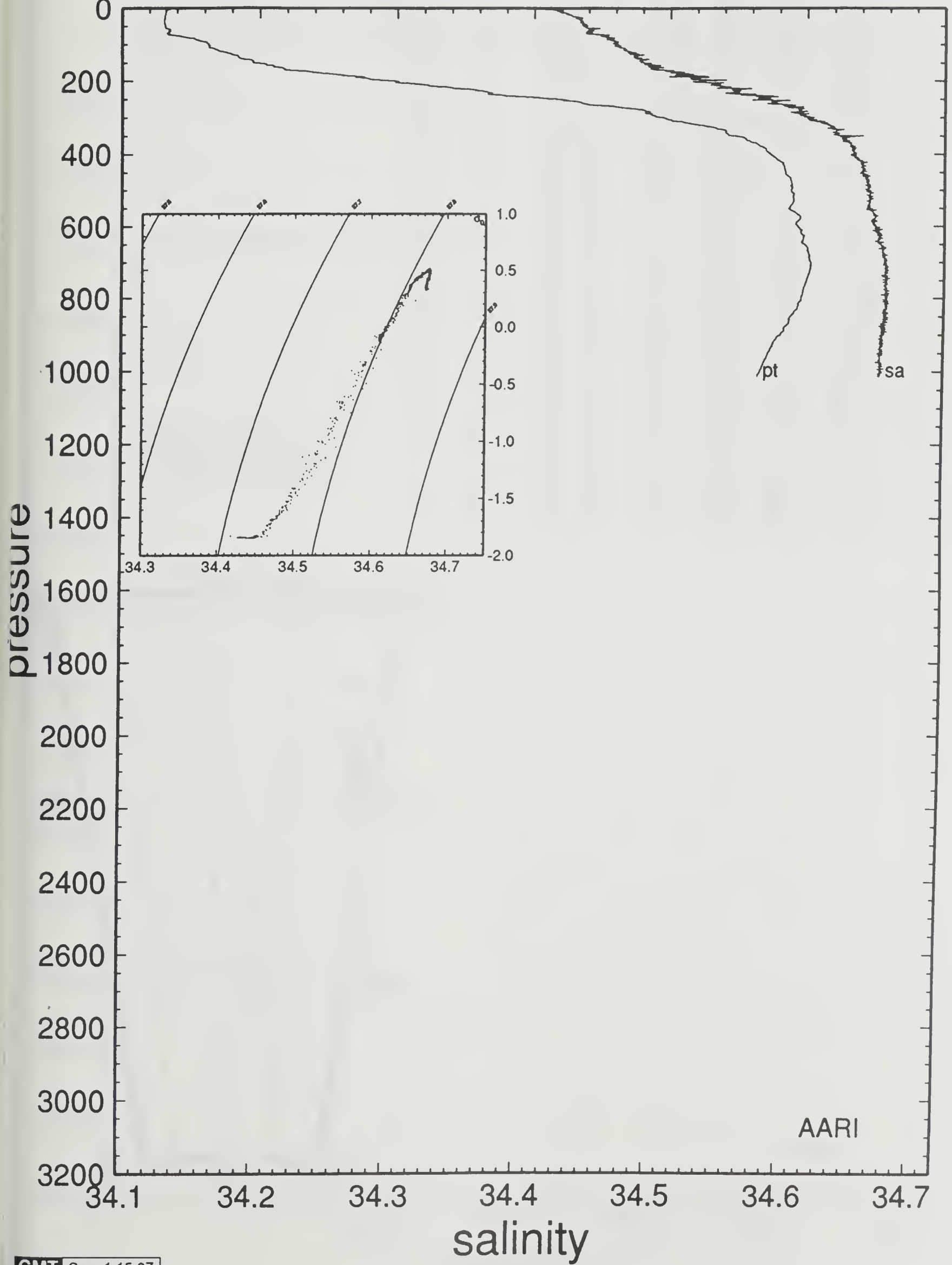
75

93/05/13 15:59

67 37.05 S 53 12.56 W

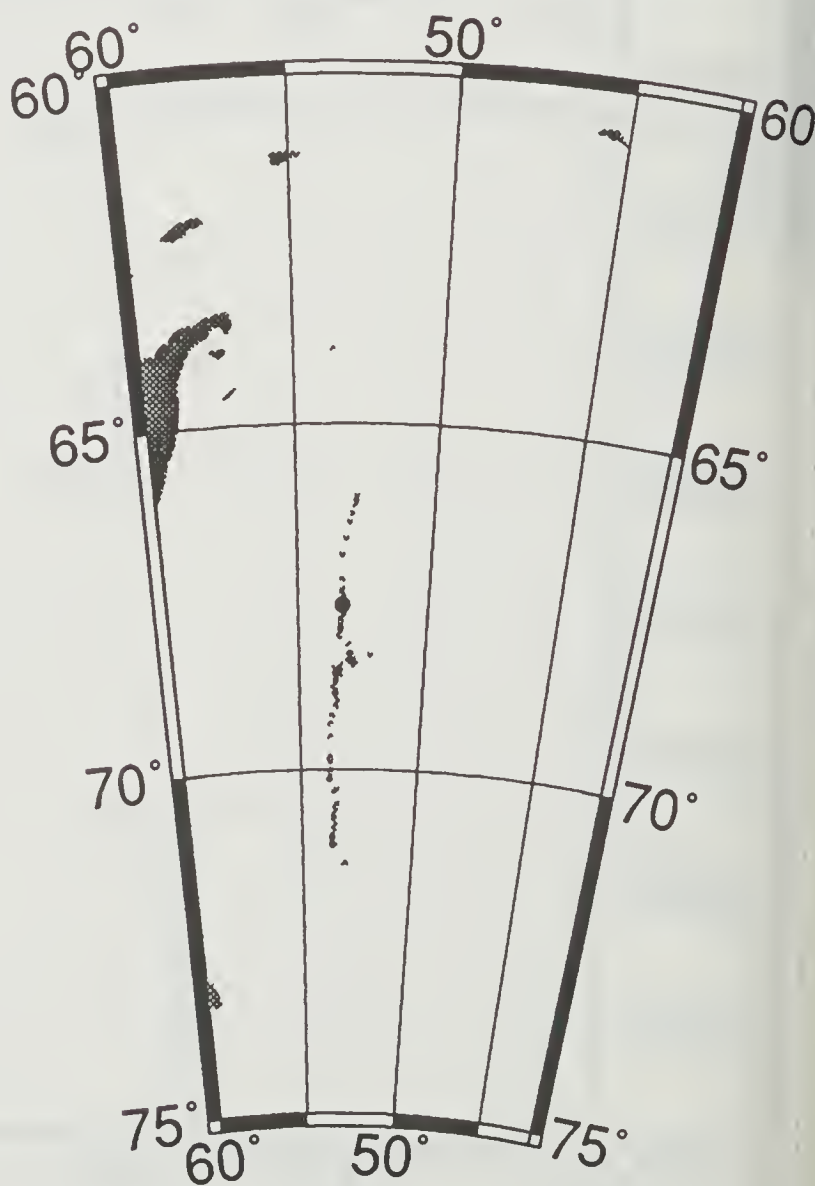
# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



ISW-1	-67.6212 S	-53.2737 W	93/05/14	135	10:36	RUSS CTD # 76				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.823	-1.823	34.476	27.756	32.525	37.186	0.00	33.2	-2.9	-9.7
10	-1.859	-1.859	34.414	27.706	32.477	37.140	-3.94	37.8	2.3	-0.1
20	-1.860	-1.860	34.416	27.708	32.478	37.142	0.72	37.6	4.8	-0.9
30	-1.860	-1.861	34.419	27.710	32.481	37.144	0.87	37.3	5.7	-0.6
40	-1.860	-1.861	34.424	27.714	32.485	37.148	1.13	36.9	5.8	-0.4
50	-1.860	-1.861	34.426	27.716	32.487	37.150	0.71	36.6	6.6	-0.9
60	-1.859	-1.860	34.428	27.718	32.488	37.151	0.71	36.4	7.0	-0.6
70	-1.859	-1.860	34.430	27.719	32.490	37.153	0.71	36.2	8.0	-1.8
80	-1.859	-1.861	34.433	27.722	32.492	37.155	0.87	35.9	7.0	-0.9
90	-1.772	-1.774	34.453	27.736	32.503	37.163	2.07	34.6	7.1	-2.5
100	-1.735	-1.737	34.458	27.739	32.505	37.164	0.96	34.2	7.1	-3.1
110	-1.717	-1.719	34.462	27.741	32.507	37.166	0.92	33.9	6.1	-3.7
120	-1.702	-1.705	34.467	27.745	32.510	37.168	1.06	33.5	6.2	-4.0
130	-1.676	-1.679	34.474	27.750	32.514	37.171	1.23	33.0	6.0	-4.5
140	-1.646	-1.649	34.475	27.750	32.513	37.169	-0.24	33.0	6.2	-5.0
150	-1.615	-1.618	34.482	27.755	32.517	37.172	1.20	32.5	5.4	-4.9
160	-1.485	-1.489	34.498	27.764	32.522	37.173	1.62	31.6	7.6	-5.6
170	-1.378	-1.382	34.501	27.763	32.518	37.165	-0.70	31.7	7.0	-5.4
180	-1.283	-1.288	34.513	27.769	32.521	37.166	1.37	31.1	7.3	-7.0
190	-1.187	-1.192	34.523	27.774	32.523	37.164	1.14	30.7	7.0	-6.7
200	-1.052	-1.058	34.529	27.774	32.518	37.156	-0.54	30.8	5.8	-6.2
210	-0.945	-0.951	34.536	27.775	32.517	37.151	0.52	30.6	6.8	-6.5
220	-0.779	-0.786	34.553	27.783	32.518	37.148	1.36	30.1	6.2	-6.7
230	-0.593	-0.600	34.575	27.792	32.522	37.146	1.63	29.2	5.9	-5.3
240	-0.462	-0.470	34.580	27.790	32.516	37.136	-0.94	29.5	7.0	-4.8
250	-0.331	-0.340	34.593	27.795	32.517	37.133	1.03	29.1	7.3	-2.7
260	-0.229	-0.238	34.600	27.796	32.514	37.127	-0.17	29.1	5.7	-2.0
270	-0.093	-0.103	34.611	27.798	32.512	37.121	0.55	29.0	6.0	-1.1
280	-0.056	-0.066	34.613	27.797	32.511	37.118	-0.42	29.1	5.5	-0.8
290	0.024	0.013	34.620	27.799	32.510	37.115	0.50	29.0	5.8	-0.9
300	0.089	0.077	34.625	27.799	32.509	37.112	0.06	29.0	5.2	-0.9
325	0.203	0.190	34.636	27.802	32.508	37.108	0.45	28.9	5.7	-1.0
350	0.260	0.246	34.641	27.803	32.507	37.105	0.21	28.8	5.7	-0.9
375	0.334	0.318	34.646	27.803	32.505	37.101	-0.33	28.9	5.2	-1.5
400	0.390	0.373	34.655	27.807	32.507	37.102	0.66	28.6	5.7	-0.6
425	0.453	0.435	34.659	27.807	32.505	37.098	-0.38	28.8	5.7	-1.9
450	0.487	0.467	34.662	27.807	32.505	37.096	0.08	28.8	5.5	-2.4
475	0.475	0.454	34.663	27.809	32.507	37.099	0.47	28.6	4.2	-2.0
500	0.545	0.523	34.672	27.812	32.508	37.098	0.52	28.5	4.8	-2.7
550	0.530	0.505	34.669	27.811	32.507	37.097	-0.26	28.6	5.7	-3.8
600	0.548	0.521	34.673	27.813	32.509	37.099	0.36	28.5	4.3	-5.0
650	0.549	0.519	34.674	27.814	32.510	37.100	0.24	28.5	4.6	-5.3
700	0.542	0.510	34.675	27.815	32.511	37.102	0.31	28.4	4.9	-7.0
750	0.521	0.486	34.674	27.816	32.512	37.104	0.26	28.4	4.5	-5.9
800	0.485	0.448	34.674	27.818	32.516	37.108	0.44	28.1	5.1	-6.7
850	0.453	0.413	34.672	27.818	32.517	37.111	0.28	28.1	4.7	-5.2
900	0.429	0.387	34.675	27.822	32.522	37.116	0.54	27.7	4.3	-5.7
950	0.404	0.359	34.673	27.822	32.523	37.118	0.22	27.7	4.8	-6.1
1000	0.378	0.331	34.671	27.822	32.524	37.119	0.23	27.6	4.3	-6.9

AARI 076



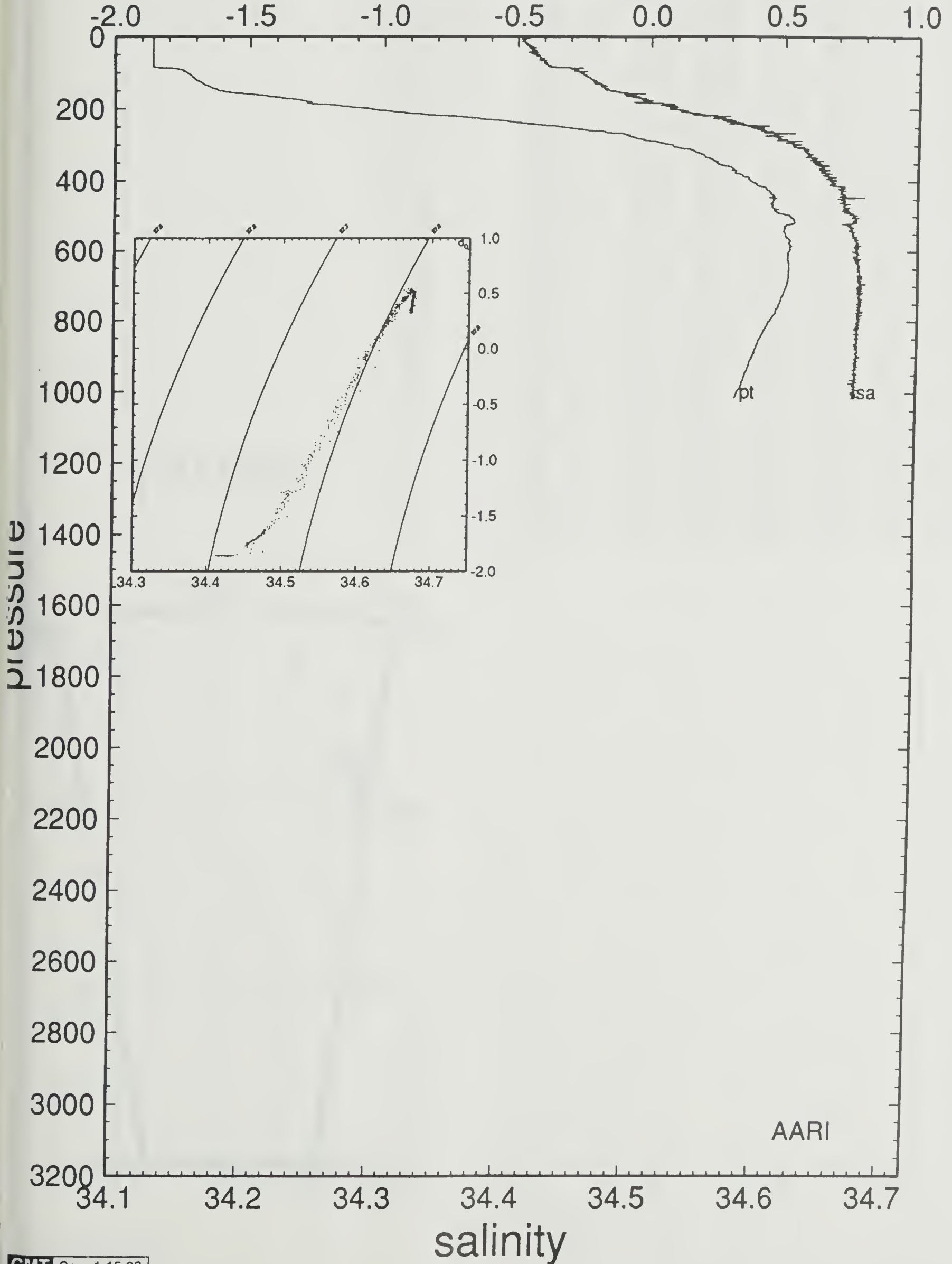


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93/05/14 10:36

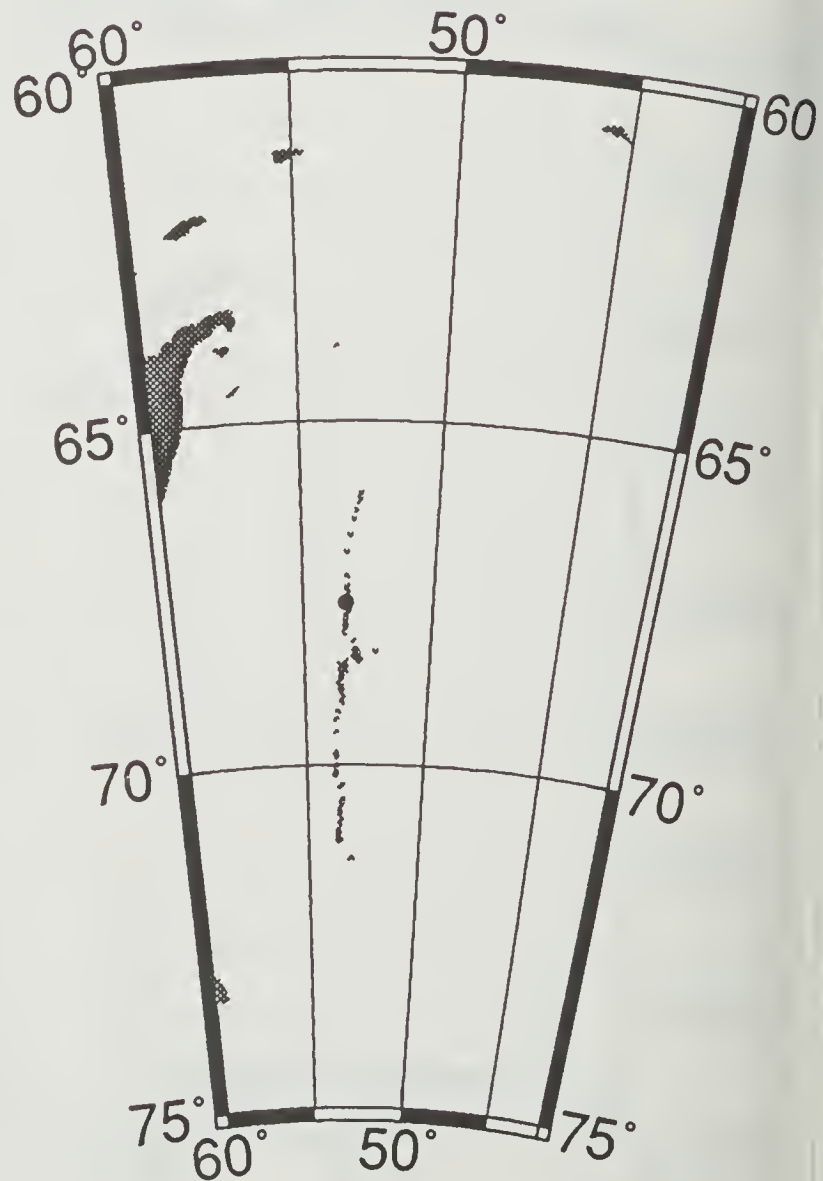
67 37.27 S 53 16.42 W

# potential temperature



ISW-1	-67.6348 S	-53.3588 W	93/05/15	136	16:07	RUSS CTD #77					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.834	-1.834	34.448	27.733	32.503	37.165	0.00	35.3	2.9	-1.2	
10	-1.851	-1.851	34.433	27.721	32.492	37.154	-1.92	36.4	12.0	-2.8	
20	-1.852	-1.852	34.440	27.727	32.497	37.160	1.34	35.8	11.7	-3.6	
30	-1.852	-1.853	34.445	27.731	32.501	37.164	1.13	35.3	10.0	-4.6	
40	-1.852	-1.853	34.446	27.732	32.502	37.165	0.51	35.2	9.8	-4.7	
50	-1.851	-1.852	34.448	27.734	32.504	37.166	0.71	35.0	9.2	-5.0	
60	-1.851	-1.852	34.450	27.735	32.505	37.168	0.71	34.8	9.9	-6.2	
70	-1.850	-1.851	34.452	27.737	32.507	37.169	0.71	34.5	10.5	-5.2	
80	-1.850	-1.852	34.454	27.739	32.508	37.171	0.71	34.3	11.6	-5.5	
90	-1.844	-1.846	34.455	27.739	32.509	37.171	0.45	34.2	10.9	-5.3	
100	-1.832	-1.834	34.459	27.742	32.511	37.173	0.95	33.9	11.0	-5.3	
110	-1.811	-1.813	34.464	27.746	32.514	37.176	1.04	33.5	10.9	-5.0	
120	-1.723	-1.726	34.474	27.751	32.517	37.176	1.30	32.9	10.2	-5.4	
130	-1.702	-1.705	34.477	27.753	32.518	37.176	0.74	32.7	10.5	-5.5	
140	-1.657	-1.660	34.486	27.759	32.523	37.179	1.35	32.1	9.8	-5.4	
150	-1.631	-1.634	34.485	27.758	32.520	37.176	-0.73	32.2	9.3	-5.1	
160	-1.603	-1.607	34.491	27.762	32.524	37.178	1.11	31.8	8.5	-5.2	
170	-1.581	-1.585	34.495	27.764	32.525	37.179	0.88	31.5	8.6	-4.9	
180	-1.471	-1.475	34.508	27.771	32.529	37.180	1.43	30.8	8.0	-4.9	
190	-1.323	-1.328	34.520	27.776	32.529	37.175	1.12	30.4	8.0	-4.7	
200	-1.176	-1.181	34.536	27.784	32.532	37.174	1.47	29.7	7.5	-4.5	
210	-0.974	-0.980	34.549	27.787	32.529	37.164	0.72	29.5	7.7	-4.2	
220	-0.868	-0.875	34.556	27.789	32.527	37.159	0.49	29.4	8.5	-4.3	
230	-0.681	-0.688	34.583	27.803	32.535	37.161	1.99	28.2	8.4	-5.2	
240	-0.509	-0.517	34.582	27.794	32.522	37.143	-1.74	29.1	10.7	-5.7	
250	-0.407	-0.415	34.585	27.792	32.516	37.134	-0.97	29.4	11.5	-5.6	
260	-0.283	-0.292	34.601	27.799	32.519	37.134	1.37	28.8	11.4	-6.8	
270	-0.169	-0.179	34.613	27.803	32.520	37.131	0.99	28.5	13.1	-6.2	
280	-0.081	-0.091	34.616	27.801	32.515	37.124	-0.93	28.7	12.6	-5.6	
290	-0.050	-0.061	34.617	27.800	32.514	37.121	-0.57	28.8	12.3	-6.6	
300	0.035	0.024	34.627	27.804	32.515	37.120	0.95	28.5	12.2	-6.7	
325	0.187	0.174	34.640	27.806	32.512	37.113	0.33	28.5	12.7	-6.8	
350	0.304	0.290	34.649	27.807	32.510	37.107	-0.22	28.5	12.5	-5.9	
375	0.364	0.348	34.651	27.805	32.506	37.101	-0.55	28.7	10.7	-6.4	
400	0.409	0.392	34.654	27.805	32.505	37.099	-0.28	28.8	10.7	-5.6	
425	0.481	0.463	34.663	27.808	32.506	37.098	0.53	28.6	11.1	-6.9	
450	0.481	0.462	34.663	27.808	32.506	37.098	0.10	28.7	11.3	-5.9	
475	0.525	0.504	34.669	27.811	32.507	37.098	0.46	28.5	11.5	-5.5	
500	0.550	0.528	34.673	27.812	32.508	37.098	0.43	28.4	10.6	-4.5	
550	0.579	0.554	34.674	27.812	32.506	37.096	-0.27	28.6	9.1	-5.0	
600	0.531	0.504	34.674	27.815	32.511	37.101	0.49	28.3	9.7	-5.3	
650	0.547	0.517	34.676	27.815	32.511	37.101	0.19	28.3	9.4	-5.3	
700	0.547	0.515	34.677	27.816	32.512	37.103	0.25	28.3	8.3	-4.7	
750	0.531	0.496	34.678	27.818	32.515	37.106	0.38	28.1	8.1	-4.4	
800	0.502	0.465	34.678	27.820	32.518	37.109	0.40	28.0	6.8	-3.8	
850	0.474	0.434	34.677	27.821	32.519	37.112	0.33	27.8	7.6	-4.6	
900	0.446	0.404	34.677	27.823	32.522	37.116	0.40	27.7	6.7	-5.6	
950	0.409	0.364	34.674	27.823	32.523	37.118	0.25	27.6	6.8	-6.8	
1000	0.374	0.327	34.674	27.825	32.526	37.122	0.45	27.4	7.6	-5.9	

AARI 077



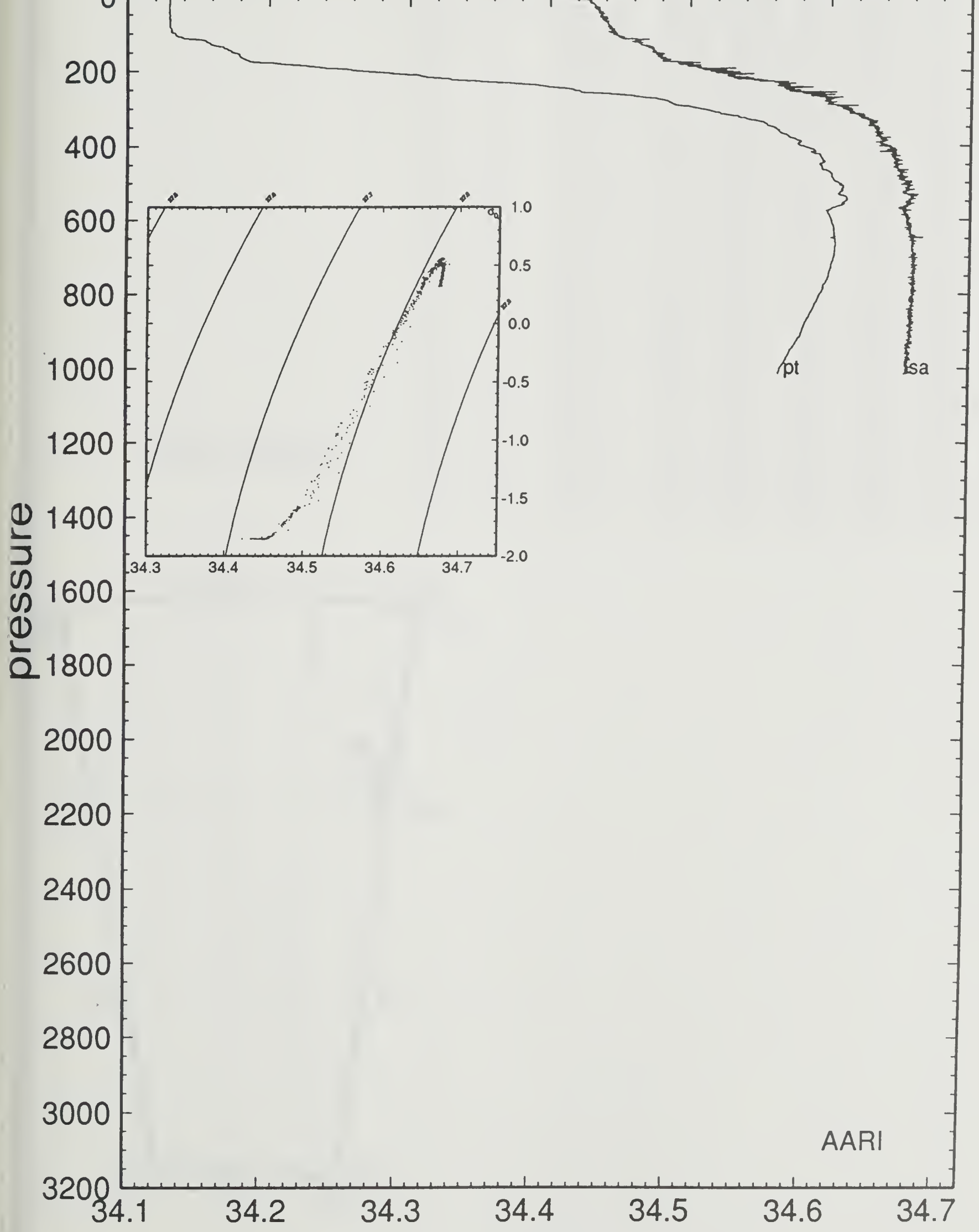
77

93/05/15 16:07

67 38.09 S 53 21.53 W

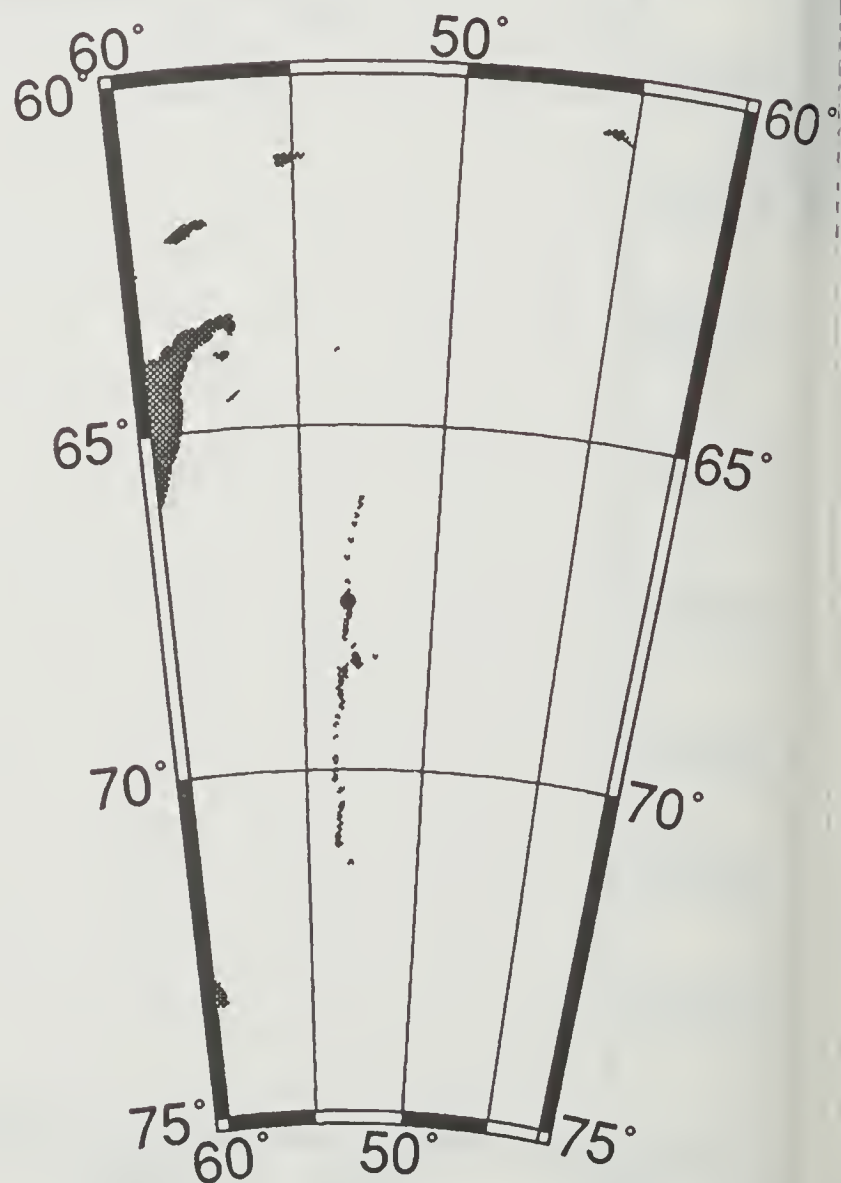
# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



ISW-1	-67.5383 S	-53.2847 W	93/05/16	137	17:24	RUSS CTD # 78					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.824	-1.824	34.415	27.706	32.476	37.138	0.00	37.9	5.0	6.2	
10	-1.842	-1.842	34.388	27.685	32.455	37.118	-2.59	39.9	8.7	-5.5	
20	-1.842	-1.842	34.391	27.687	32.457	37.120	0.87	39.6	6.0	-2.3	
30	-1.843	-1.844	34.395	27.690	32.461	37.123	1.01	39.2	6.2	-0.2	
40	-1.843	-1.844	34.401	27.695	32.465	37.128	1.24	38.7	8.0	0.2	
50	-1.843	-1.844	34.408	27.701	32.471	37.134	1.34	38.1	8.2	1.0	
60	-1.843	-1.844	34.411	27.703	32.473	37.136	0.87	37.8	8.7	2.4	
70	-1.841	-1.842	34.417	27.708	32.478	37.141	1.23	37.3	10.6	2.0	
80	-1.827	-1.829	34.423	27.713	32.482	37.144	1.18	36.8	10.7	1.4	
90	-1.829	-1.831	34.426	27.715	32.485	37.147	0.88	36.5	12.3	1.5	
100	-1.824	-1.826	34.428	27.717	32.486	37.148	0.68	36.3	16.8	0.1	
110	-1.787	-1.789	34.437	27.723	32.491	37.152	1.39	35.6	17.3	-7.1	
120	-1.704	-1.707	34.448	27.730	32.495	37.153	1.41	35.0	11.8	-11.3	
130	-1.672	-1.675	34.456	27.735	32.500	37.157	1.31	34.4	5.3	-8.6	
140	-1.644	-1.647	34.461	27.739	32.502	37.158	0.99	34.1	3.1	-2.8	
150	-1.606	-1.609	34.469	27.744	32.506	37.161	1.28	33.5	5.3	-0.5	
160	-1.528	-1.532	34.495	27.763	32.522	37.175	2.40	31.7	4.4	1.0	
170	-1.412	-1.416	34.491	27.756	32.512	37.160	-1.54	32.4	5.3	2.9	
180	-1.356	-1.360	34.487	27.751	32.505	37.152	-1.30	32.9	7.3	2.2	
190	-1.291	-1.296	34.511	27.768	32.520	37.165	2.30	31.2	7.6	3.4	
200	-1.140	-1.145	34.514	27.765	32.512	37.153	-1.10	31.5	9.3	2.9	
210	-0.984	-0.990	34.528	27.770	32.513	37.148	1.18	31.1	9.6	1.4	
220	-0.791	-0.798	34.545	27.777	32.513	37.143	1.22	30.6	9.3	-0.5	
230	-0.657	-0.664	34.555	27.779	32.511	37.137	0.68	30.4	8.8	-1.4	
240	-0.545	-0.553	34.569	27.785	32.514	37.136	1.32	29.9	7.6	-3.7	
250	-0.410	-0.418	34.575	27.784	32.509	37.127	-0.86	30.1	6.1	-5.0	
260	-0.293	-0.302	34.587	27.788	32.509	37.124	1.00	29.8	5.4	-4.3	
270	-0.145	-0.155	34.597	27.789	32.505	37.116	-0.37	29.8	6.2	-4.5	
280	-0.093	-0.103	34.610	27.797	32.512	37.120	1.52	29.1	6.7	-7.6	
290	-0.021	-0.032	34.611	27.794	32.507	37.113	-1.05	29.4	6.6	-7.8	
300	0.068	0.056	34.620	27.796	32.506	37.110	0.75	29.3	6.9	-9.0	
325	0.198	0.185	34.630	27.798	32.504	37.104	-0.14	29.3	6.8	-9.3	
350	0.288	0.274	34.640	27.801	32.504	37.101	0.52	29.1	7.1	-8.0	
375	0.359	0.343	34.646	27.802	32.503	37.098	0.11	29.1	7.5	-6.8	
400	0.430	0.413	34.656	27.806	32.505	37.098	0.63	28.8	7.9	-6.5	
425	0.478	0.460	34.661	27.807	32.504	37.096	0.30	28.8	7.5	-7.4	
450	0.492	0.472	34.661	27.806	32.503	37.095	-0.34	28.9	6.3	-5.4	
475	0.506	0.485	34.664	27.808	32.505	37.096	0.43	28.8	7.4	-6.2	
500	0.519	0.497	34.667	27.809	32.506	37.097	0.44	28.7	8.5	-5.8	
550	0.510	0.486	34.668	27.811	32.508	37.099	0.32	28.6	8.2	-6.0	
600	0.532	0.505	34.673	27.814	32.510	37.101	0.40	28.4	9.2	-6.9	
650	0.553	0.523	34.676	27.815	32.511	37.101	0.25	28.4	8.9	-6.4	
700	0.561	0.529	34.678	27.816	32.512	37.102	0.27	28.3	8.2	-4.9	
750	0.543	0.508	34.679	27.818	32.515	37.105	0.39	28.2	9.2	-4.3	
800	0.520	0.483	34.680	27.821	32.518	37.109	0.43	27.9	9.2	-2.8	
850	0.501	0.461	34.680	27.822	32.519	37.111	0.34	27.8	9.5	-2.7	
900	0.462	0.420	34.680	27.825	32.523	37.116	0.47	27.6	10.1	-3.3	
950	0.450	0.405	34.679	27.825	32.524	37.117	0.17	27.6	10.2	-3.6	
1000	0.412	0.364	34.678	27.826	32.526	37.121	0.41	27.4	10.5	-4.9	

AARI 078



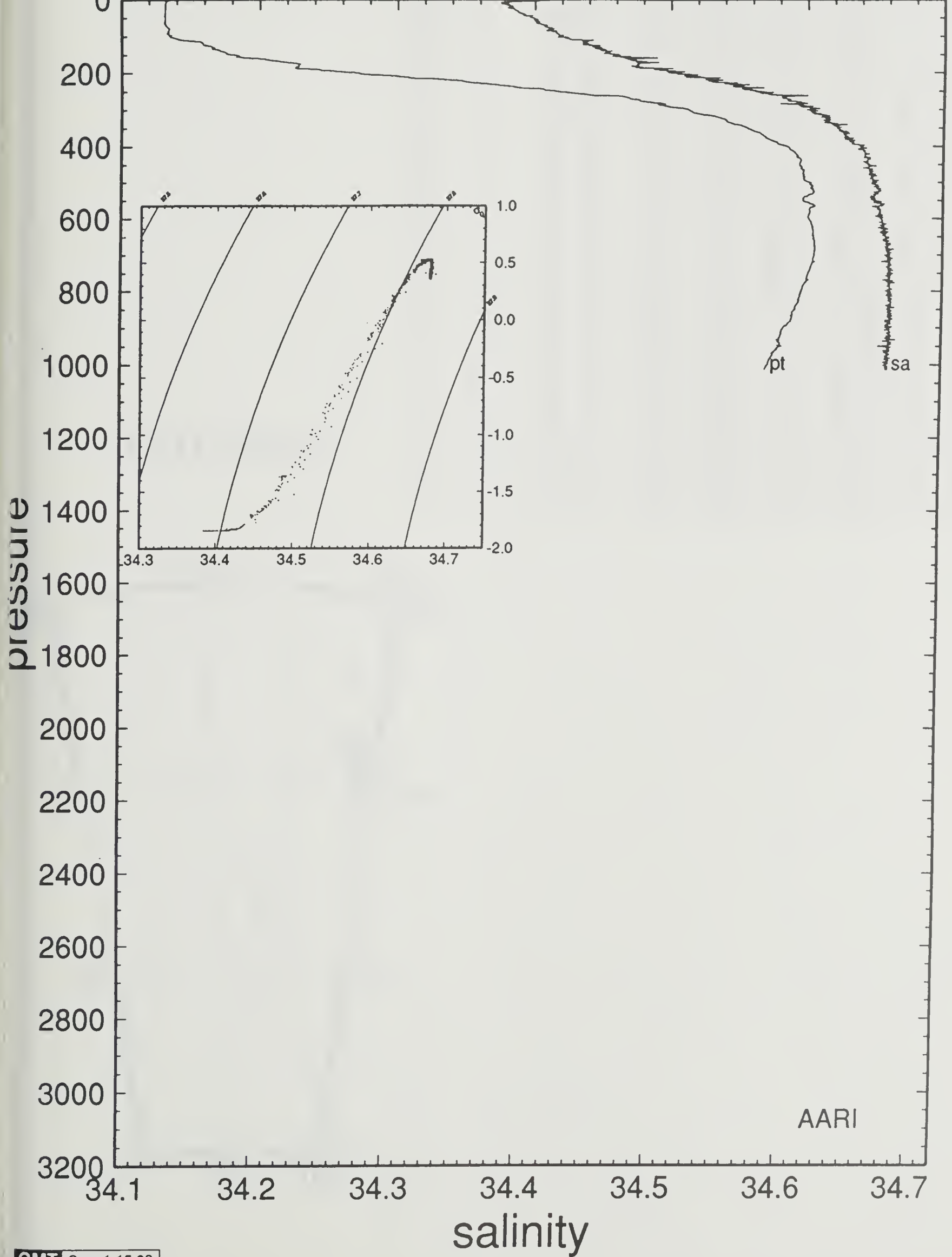
78

93/05/16 17:24

67 32.30 S 53 17.08 W

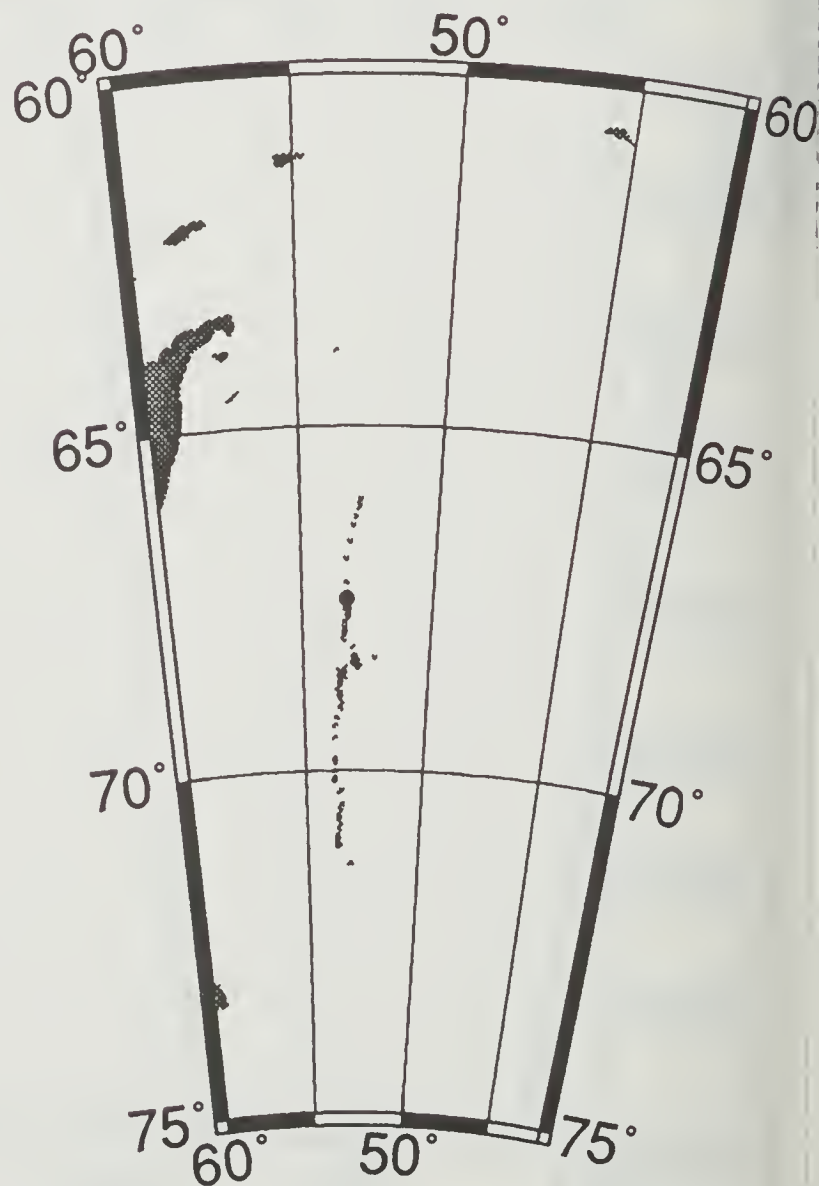
# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0

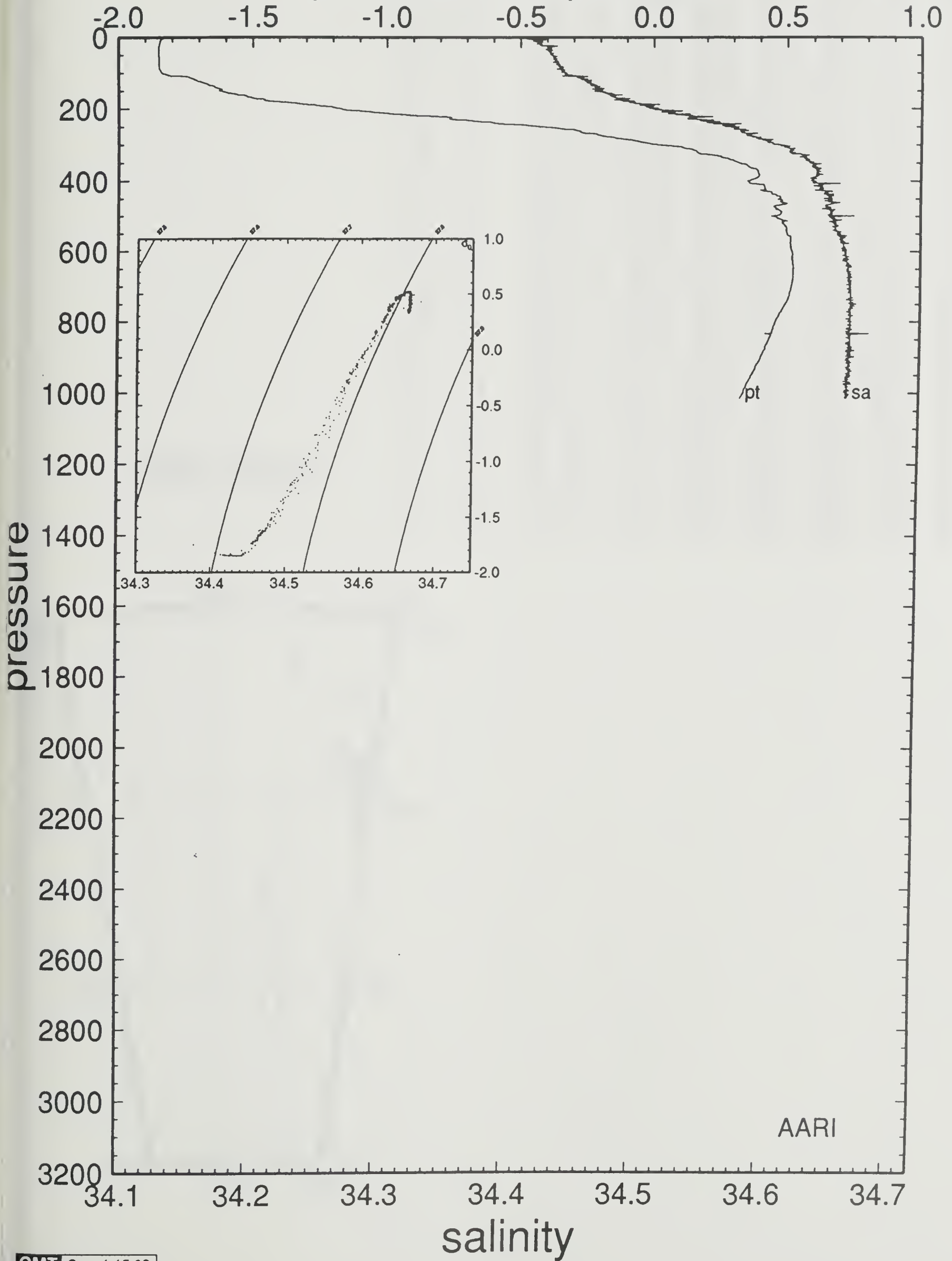


ISW-1	-67.492 S	-53.2765 W	93/05/17	138	14:55	RUSS_CTD	# 79				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.750	-1.750	34.378	27.674	32.441	37.101	0.00	40.9	2.5	1.1	
10	-1.846	-1.846	34.421	27.712	32.482	37.144	3.43	37.3	4.7	-3.3	
20	-1.849	-1.849	34.425	27.715	32.485	37.148	1.02	36.9	6.1	-3.0	
30	-1.851	-1.852	34.432	27.721	32.491	37.154	1.34	36.3	6.7	-3.2	
40	-1.851	-1.852	34.433	27.721	32.492	37.154	0.51	36.2	4.1	-2.7	
50	-1.850	-1.851	34.434	27.722	32.492	37.155	0.50	36.0	5.9	-2.4	
60	-1.849	-1.850	34.437	27.725	32.495	37.157	0.87	35.8	7.3	-2.5	
70	-1.849	-1.850	34.436	27.724	32.494	37.157	-0.50	35.8	7.0	-1.7	
80	-1.849	-1.851	34.439	27.726	32.496	37.159	0.87	35.5	8.3	-1.9	
90	-1.847	-1.849	34.441	27.728	32.498	37.160	0.70	35.3	8.5	-2.4	
100	-1.838	-1.840	34.445	27.731	32.501	37.163	0.97	34.9	8.3	-2.2	
110	-1.769	-1.771	34.458	27.740	32.507	37.167	1.63	34.1	8.3	-3.2	
120	-1.715	-1.718	34.459	27.739	32.505	37.163	-0.53	34.1	8.3	-3.3	
130	-1.671	-1.674	34.464	27.742	32.506	37.163	0.91	33.8	7.6	-2.6	
140	-1.640	-1.643	34.468	27.744	32.507	37.163	0.83	33.5	7.9	-4.4	
150	-1.623	-1.626	34.471	27.746	32.509	37.164	0.76	33.3	7.6	-3.7	
160	-1.558	-1.562	34.478	27.750	32.510	37.164	1.03	32.9	7.0	-3.5	
170	-1.495	-1.499	34.484	27.753	32.511	37.163	0.90	32.6	7.0	-4.2	
180	-1.401	-1.405	34.492	27.756	32.512	37.160	0.96	32.3	7.1	-4.3	
190	-1.262	-1.267	34.507	27.764	32.515	37.159	1.44	31.6	7.3	-4.4	
200	-1.166	-1.171	34.511	27.764	32.512	37.153	-0.48	31.7	7.0	-5.5	
210	-1.039	-1.045	34.527	27.772	32.516	37.153	1.52	30.9	6.7	-5.9	
220	-0.851	-0.858	34.542	27.777	32.515	37.146	1.05	30.6	6.6	-5.0	
230	-0.734	-0.741	34.551	27.779	32.514	37.142	0.71	30.4	7.1	-4.9	
240	-0.579	-0.587	34.564	27.783	32.513	37.136	0.91	30.1	7.1	-3.5	
250	-0.407	-0.415	34.571	27.781	32.505	37.123	-1.04	30.4	6.2	-2.0	
260	-0.284	-0.293	34.583	27.784	32.505	37.120	0.95	30.1	5.9	-1.0	
270	-0.210	-0.220	34.588	27.785	32.503	37.116	-0.23	30.1	4.9	-0.7	
280	-0.149	-0.159	34.594	27.787	32.503	37.114	0.64	30.0	4.9	-0.5	
290	-0.058	-0.069	34.600	27.787	32.501	37.108	-0.42	30.1	5.6	-0.0	
300	0.011	-0.000	34.608	27.790	32.502	37.107	0.84	29.8	5.6	-0.6	
325	0.185	0.172	34.620	27.790	32.497	37.097	-0.40	30.0	5.0	1.2	
350	0.330	0.316	34.635	27.794	32.496	37.093	0.57	29.7	6.0	-0.7	
375	0.406	0.390	34.641	27.795	32.495	37.089	-0.19	29.8	5.5	-1.4	
400	0.377	0.360	34.635	27.792	32.492	37.087	-0.58	30.1	6.5	-0.8	
425	0.436	0.418	34.643	27.795	32.494	37.087	0.54	29.8	5.8	-1.7	
450	0.495	0.475	34.649	27.796	32.494	37.085	0.29	29.8	5.3	-1.2	
475	0.473	0.452	34.648	27.797	32.495	37.087	0.33	29.8	6.1	-2.5	
500	0.478	0.456	34.655	27.802	32.500	37.092	0.82	29.3	6.1	-1.2	
550	0.525	0.501	34.657	27.801	32.498	37.088	-0.33	29.5	6.8	-1.9	
600	0.546	0.519	34.660	27.802	32.498	37.089	0.25	29.5	7.1	-1.7	
650	0.553	0.523	34.664	27.805	32.501	37.091	0.42	29.3	7.2	-3.0	
700	0.549	0.517	34.665	27.807	32.503	37.093	0.29	29.2	6.0	-3.4	
750	0.528	0.493	34.670	27.812	32.509	37.100	0.61	28.7	7.9	-4.1	
800	0.497	0.460	34.665	27.810	32.508	37.100	-0.28	28.9	6.7	-3.6	
850	0.474	0.434	34.666	27.812	32.511	37.103	0.43	28.7	6.9	-3.9	
900	0.448	0.406	34.666	27.814	32.513	37.107	0.39	28.5	7.4	-4.9	
950	0.417	0.372	34.665	27.815	32.515	37.110	0.36	28.4	8.2	-5.0	
1000	0.389	0.342	34.663	27.815	32.516	37.112	0.26	28.3	7.8	-4.2	

AARI 079

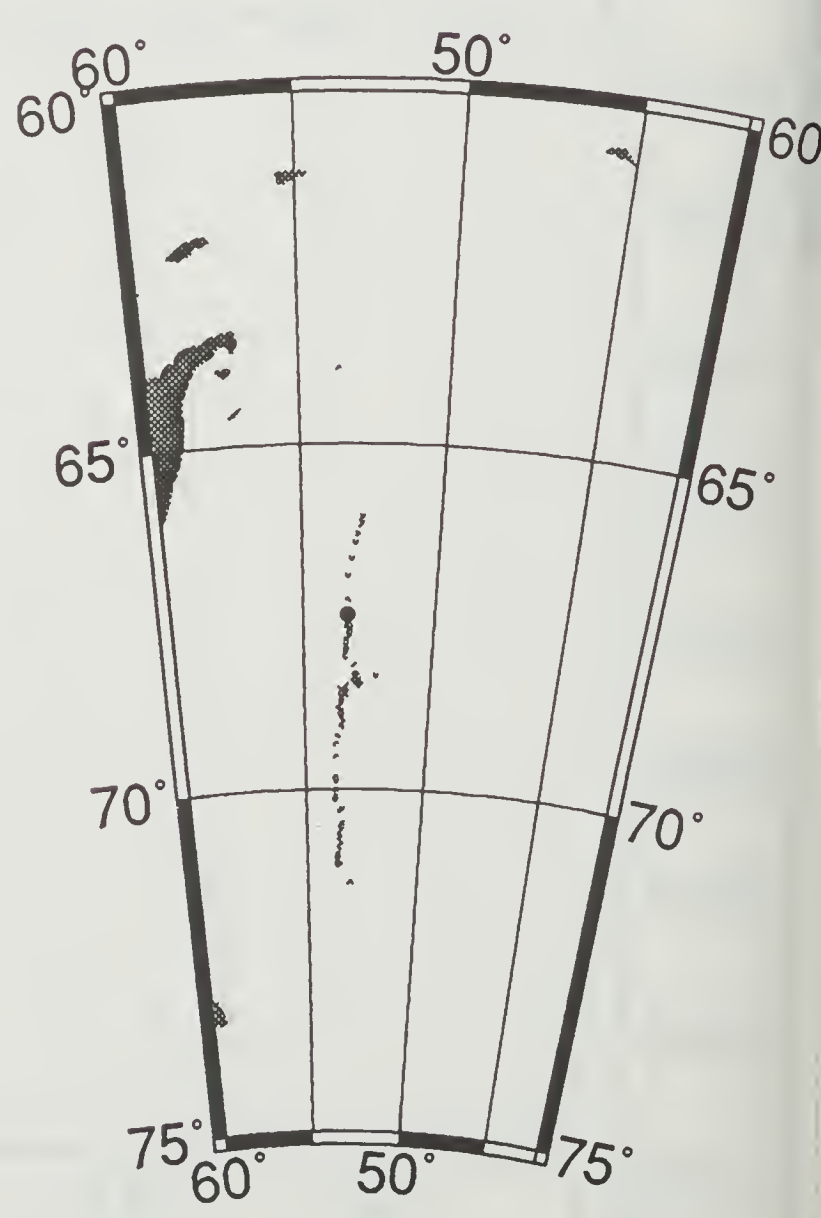


# potential temperature



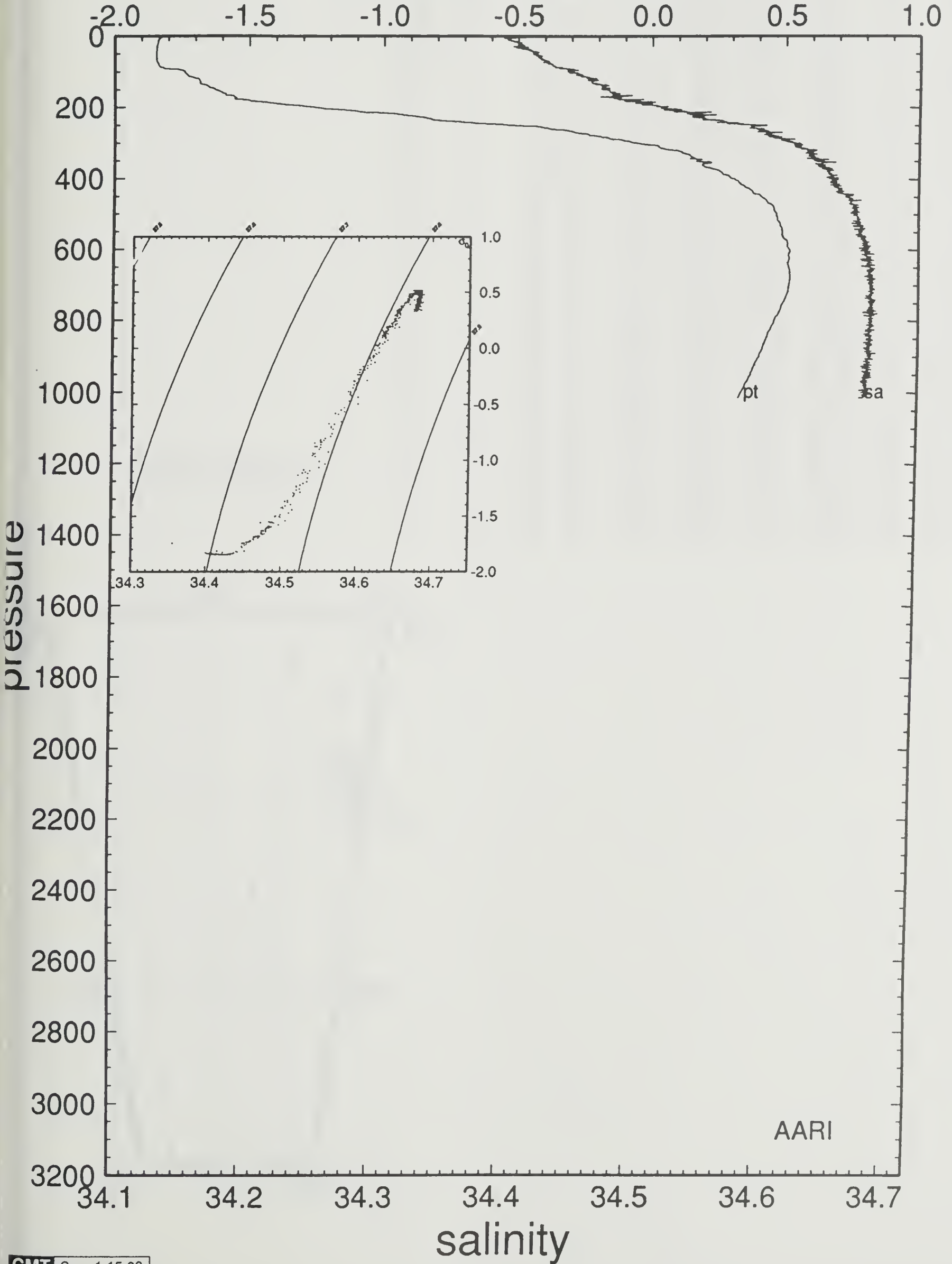
ISW-1	-67.4567 S	-53.305 W	93/05/18	139	15:27	RUSS CTD	#80			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL
0	-1.744	-1.744	34.356	27.656	32.423	37.083	0.00	42.6	2.3	0.9
10	-1.837	-1.837	34.403	27.697	32.467	37.129	3.57	38.7	8.0	-4.2
20	-1.842	-1.842	34.410	27.702	32.473	37.135	1.35	38.1	8.6	-5.0
30	-1.845	-1.846	34.409	27.702	32.472	37.135	-0.48	38.1	8.8	-4.4
40	-1.845	-1.846	34.418	27.709	32.479	37.142	1.51	37.4	8.5	-4.2
50	-1.846	-1.847	34.423	27.713	32.483	37.146	1.13	36.9	8.7	-3.9
60	-1.845	-1.846	34.427	27.716	32.486	37.149	1.01	36.5	7.6	-4.3
70	-1.843	-1.844	34.432	27.720	32.490	37.153	1.12	36.1	8.6	-5.1
80	-1.837	-1.839	34.436	27.724	32.493	37.156	0.98	35.7	9.2	-5.8
90	-1.818	-1.820	34.441	27.727	32.496	37.158	1.05	35.4	8.9	-6.5
100	-1.739	-1.741	34.451	27.733	32.500	37.159	1.34	34.8	7.6	-6.5
110	-1.730	-1.732	34.458	27.739	32.505	37.164	1.30	34.2	6.9	-6.8
120	-1.688	-1.691	34.465	27.743	32.508	37.165	1.17	33.7	7.1	-7.6
130	-1.682	-1.685	34.466	27.744	32.508	37.166	0.44	33.6	6.6	-6.9
140	-1.653	-1.656	34.475	27.750	32.514	37.170	1.41	33.0	4.9	-7.7
150	-1.626	-1.629	34.475	27.749	32.512	37.168	-0.53	33.0	6.7	-7.4
160	-1.598	-1.602	34.485	27.757	32.518	37.173	1.50	32.3	6.5	-7.0
170	-1.555	-1.559	34.481	27.752	32.513	37.166	-1.22	32.7	8.1	-6.8
180	-1.504	-1.508	34.499	27.765	32.524	37.175	2.00	31.4	6.8	-7.0
190	-1.402	-1.407	34.507	27.768	32.524	37.172	0.91	31.1	7.3	-6.4
200	-1.260	-1.265	34.520	27.774	32.525	37.169	1.23	30.6	4.2	-6.8
210	-1.109	-1.115	34.529	27.776	32.522	37.162	0.53	30.5	5.5	-5.9
220	-0.934	-0.940	34.545	27.782	32.523	37.157	1.26	30.0	3.3	-6.5
230	-0.835	-0.842	34.553	27.785	32.522	37.153	0.75	29.8	4.1	-6.1
240	-0.709	-0.716	34.567	27.791	32.525	37.152	1.27	29.3	3.9	-8.0
250	-0.511	-0.519	34.588	27.799	32.527	37.148	1.45	28.6	3.8	-8.6
260	-0.375	-0.384	34.590	27.795	32.518	37.135	-1.34	29.1	4.4	-10.3
270	-0.281	-0.290	34.595	27.794	32.515	37.129	-0.62	29.2	3.7	-8.5
280	-0.204	-0.214	34.604	27.798	32.516	37.128	0.94	28.9	5.6	-10.3
290	-0.120	-0.131	34.622	27.808	32.523	37.133	1.73	28.0	6.7	-10.6
300	-0.054	-0.065	34.622	27.805	32.518	37.125	-1.11	28.4	7.6	-10.7
325	0.119	0.106	34.637	27.808	32.516	37.118	0.41	28.3	8.1	-10.8
350	0.188	0.174	34.639	27.805	32.512	37.112	-0.59	28.5	6.5	-9.9
375	0.251	0.236	34.649	27.810	32.514	37.113	0.70	28.2	2.5	-8.9
400	0.312	0.295	34.651	27.808	32.511	37.108	-0.55	28.4	-1.0	-6.1
425	0.367	0.349	34.656	27.809	32.510	37.105	0.19	28.4	6.6	-1.4
450	0.426	0.407	34.664	27.812	32.512	37.105	0.54	28.2	8.4	-4.4
475	0.471	0.450	34.671	27.815	32.513	37.105	0.55	28.0	8.6	-5.3
500	0.488	0.466	34.671	27.815	32.512	37.104	-0.38	28.1	8.6	-5.8
550	0.513	0.489	34.675	27.816	32.513	37.104	0.31	28.1	7.9	-7.5
600	0.543	0.516	34.679	27.818	32.514	37.104	0.26	28.0	7.6	-7.5
650	0.543	0.513	34.682	27.821	32.516	37.107	0.40	27.8	7.6	-6.6
700	0.547	0.515	34.683	27.821	32.517	37.107	0.21	27.8	5.2	-5.6
750	0.527	0.492	34.682	27.822	32.518	37.109	0.25	27.8	4.7	-6.6
800	0.498	0.461	34.683	27.824	32.522	37.114	0.46	27.5	4.5	-6.3
850	0.472	0.432	34.682	27.825	32.524	37.116	0.31	27.5	4.7	-5.4
900	0.449	0.407	34.683	27.828	32.527	37.120	0.43	27.2	4.4	-5.2
950	0.420	0.375	34.682	27.829	32.529	37.123	0.34	27.1	4.6	-5.5
1000	0.387	0.340	34.677	27.827	32.528	37.123	-0.24	27.3	4.8	-5.4

AARI 080



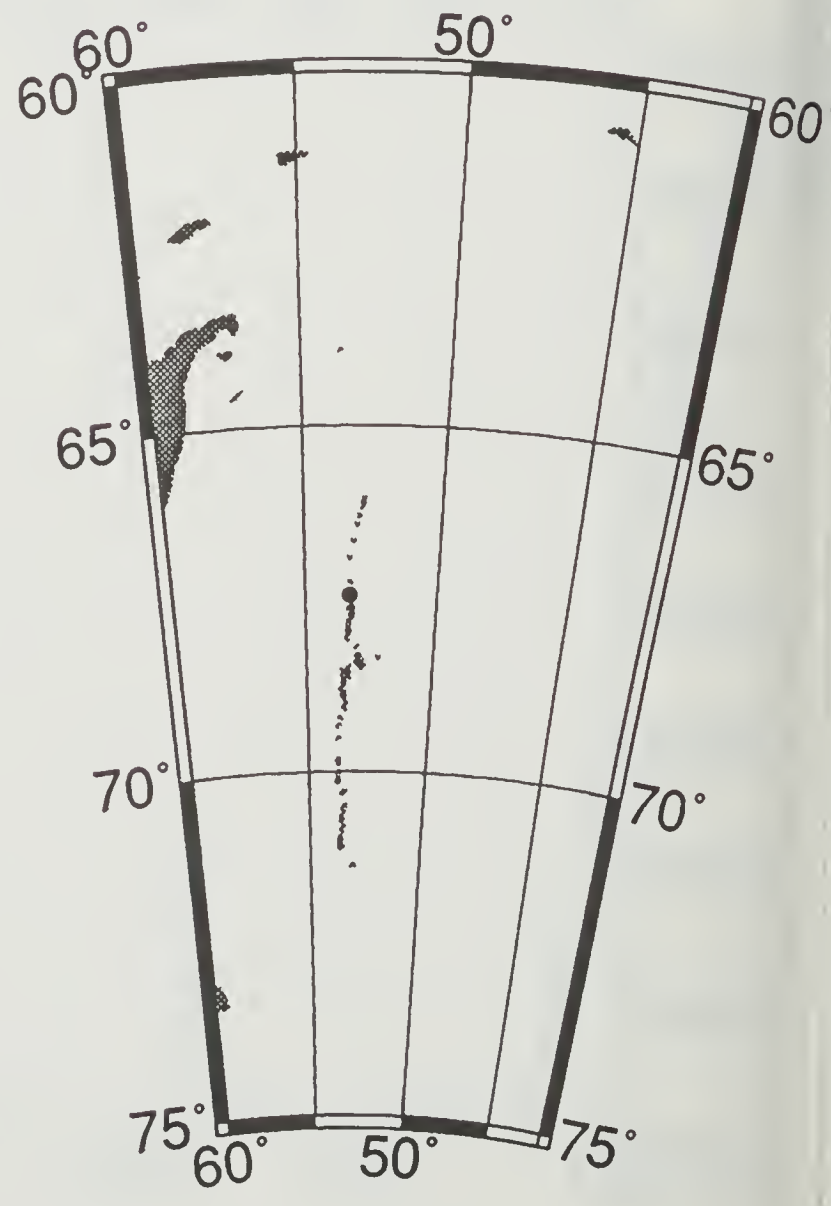


# potential temperature



ISW-1	-67.4415 S	-53.32 W	93/05/19	140	16:40	RUSS CTD	# 81				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.743	-1.743	34.344	27.646	32.414	37.074	0.00	43.6	3.6	-4.5	
10	-1.838	-1.838	34.413	27.705	32.475	37.137	4.29	37.9	7.7	-3.8	
20	-1.833	-1.833	34.416	27.707	32.477	37.139	0.85	37.7	7.3	-3.7	
30	-1.837	-1.838	34.425	27.715	32.484	37.147	1.53	36.9	7.3	-5.0	
40	-1.836	-1.837	34.427	27.716	32.486	37.148	0.71	36.7	8.0	-4.7	
50	-1.837	-1.838	34.430	27.719	32.488	37.151	0.88	36.4	8.2	-5.0	
60	-1.839	-1.840	34.433	27.721	32.491	37.153	0.88	36.1	8.4	-4.3	
70	-1.837	-1.838	34.437	27.724	32.494	37.156	1.00	35.7	8.4	-5.4	
80	-1.824	-1.826	34.438	27.725	32.494	37.156	0.37	35.6	8.2	-5.3	
90	-1.801	-1.803	34.446	27.731	32.499	37.160	1.35	35.0	8.2	-4.3	
100	-1.729	-1.731	34.451	27.733	32.499	37.158	0.76	34.8	7.5	-5.0	
110	-1.713	-1.715	34.454	27.735	32.500	37.159	0.78	34.5	7.6	-5.9	
120	-1.688	-1.691	34.459	27.738	32.503	37.161	1.01	34.2	7.0	-5.6	
130	-1.655	-1.658	34.464	27.741	32.505	37.161	0.97	33.8	7.3	-5.6	
140	-1.620	-1.623	34.466	27.742	32.505	37.160	0.38	33.8	5.7	-6.5	
150	-1.586	-1.589	34.471	27.745	32.506	37.161	0.95	33.4	8.2	-6.5	
160	-1.524	-1.528	34.478	27.749	32.508	37.161	1.04	33.0	6.6	-7.6	
170	-1.443	-1.447	34.486	27.753	32.510	37.159	1.05	32.7	5.5	-7.6	
180	-1.364	-1.368	34.492	27.755	32.509	37.157	0.76	32.4	5.4	-8.1	
190	-1.261	-1.266	34.505	27.762	32.513	37.157	1.42	31.8	4.6	-8.0	
200	-1.129	-1.134	34.522	27.771	32.518	37.158	1.61	31.0	4.7	-7.3	
210	-0.992	-0.998	34.523	27.767	32.509	37.145	-1.28	31.4	5.3	-7.4	
220	-0.871	-0.877	34.535	27.772	32.511	37.143	1.14	31.0	4.8	-7.2	
230	-0.764	-0.771	34.544	27.775	32.510	37.139	0.82	30.8	5.5	-7.1	
240	-0.650	-0.658	34.555	27.779	32.511	37.136	1.00	30.5	6.3	-6.9	
250	-0.535	-0.543	34.559	27.777	32.505	37.127	-0.92	30.7	6.4	-7.0	
260	-0.424	-0.433	34.573	27.783	32.508	37.127	1.29	30.2	7.8	-4.9	
270	-0.320	-0.329	34.578	27.782	32.504	37.120	-0.73	30.3	9.5	-5.4	
280	-0.230	-0.240	34.588	27.786	32.505	37.118	0.96	30.0	8.7	-4.7	
290	-0.092	-0.103	34.611	27.798	32.512	37.121	1.81	29.0	9.4	-4.8	
300	-0.007	-0.018	34.610	27.792	32.505	37.111	-1.36	29.6	9.6	-4.7	
325	0.200	0.187	34.638	27.804	32.510	37.110	1.09	28.7	9.3	-4.2	
350	0.326	0.312	34.638	27.797	32.499	37.095	-1.02	29.5	9.7	-5.2	
375	0.366	0.350	34.642	27.798	32.499	37.094	0.27	29.4	8.5	-6.6	
400	0.399	0.382	34.644	27.798	32.498	37.092	-0.27	29.5	8.5	-5.6	
425	0.430	0.412	34.646	27.798	32.497	37.090	-0.25	29.6	8.1	-6.0	
450	0.457	0.438	34.649	27.798	32.497	37.090	0.27	29.6	9.1	-5.0	
475	0.487	0.466	34.653	27.800	32.498	37.089	0.37	29.5	7.6	-5.6	
500	0.507	0.485	34.655	27.800	32.497	37.089	0.17	29.5	7.7	-6.3	
550	0.521	0.497	34.656	27.801	32.497	37.088	-0.06	29.5	7.0	-6.3	
600	0.535	0.508	34.660	27.803	32.499	37.090	0.38	29.4	6.7	-5.7	
650	0.547	0.517	34.663	27.805	32.501	37.091	0.32	29.3	5.9	-5.9	
700	0.551	0.519	34.666	27.807	32.503	37.093	0.38	29.1	4.5	-6.5	
750	0.529	0.494	34.666	27.809	32.505	37.096	0.35	29.0	4.9	-7.0	
800	0.497	0.460	34.664	27.809	32.507	37.099	0.28	29.0	4.3	-6.7	
850	0.465	0.425	34.664	27.811	32.510	37.103	0.42	28.8	4.3	-7.4	
900	0.432	0.390	34.664	27.813	32.513	37.107	0.43	28.5	4.4	-7.4	
950	0.403	0.358	34.663	27.814	32.515	37.110	0.34	28.4	4.5	-6.5	
1000	0.383	0.336	34.662	27.815	32.516	37.112	0.27	28.3	4.5	-6.2	

AARI 081



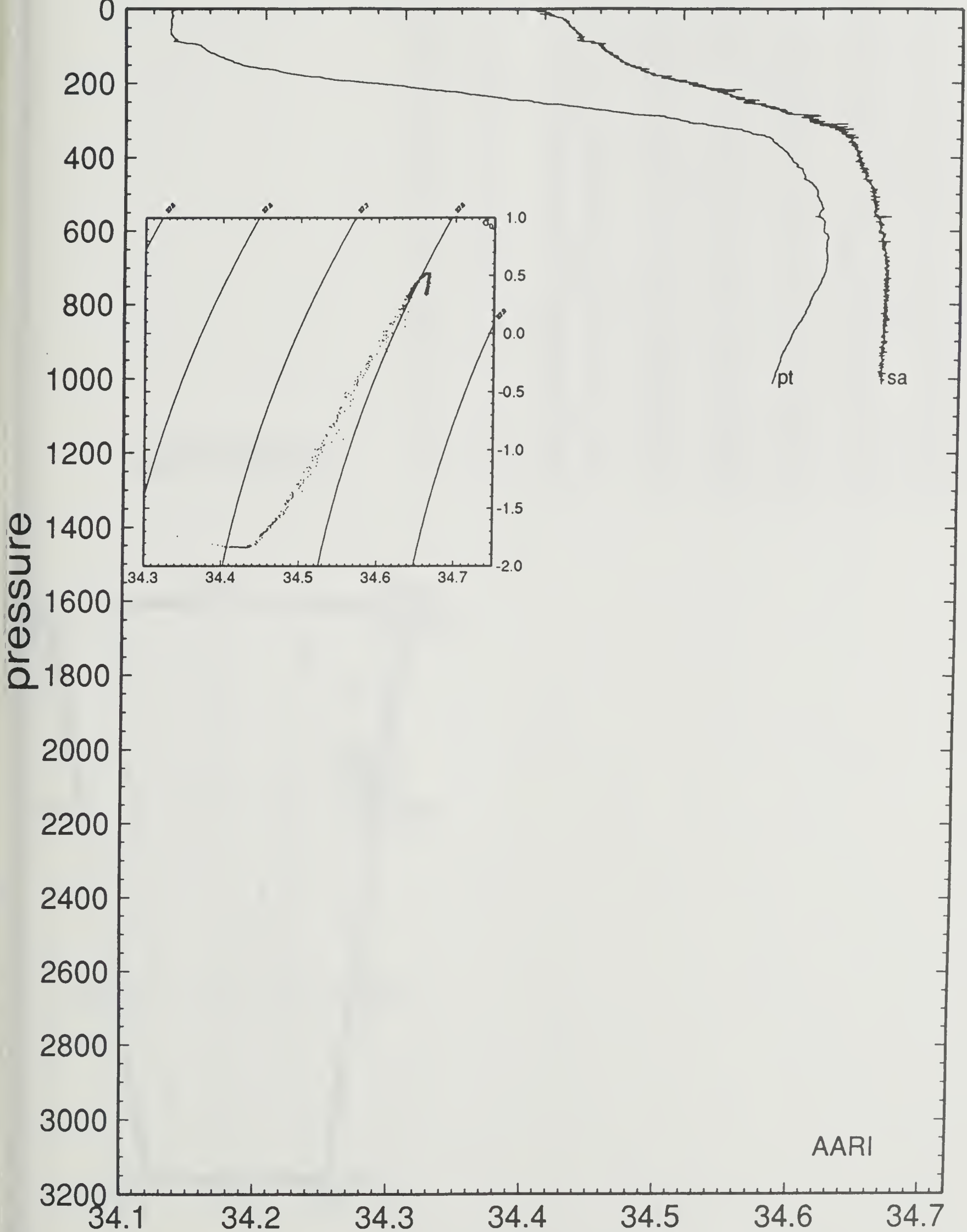
81

93/05/19 16:40

67 26.49 S 53 19.20 W

# potential temperature

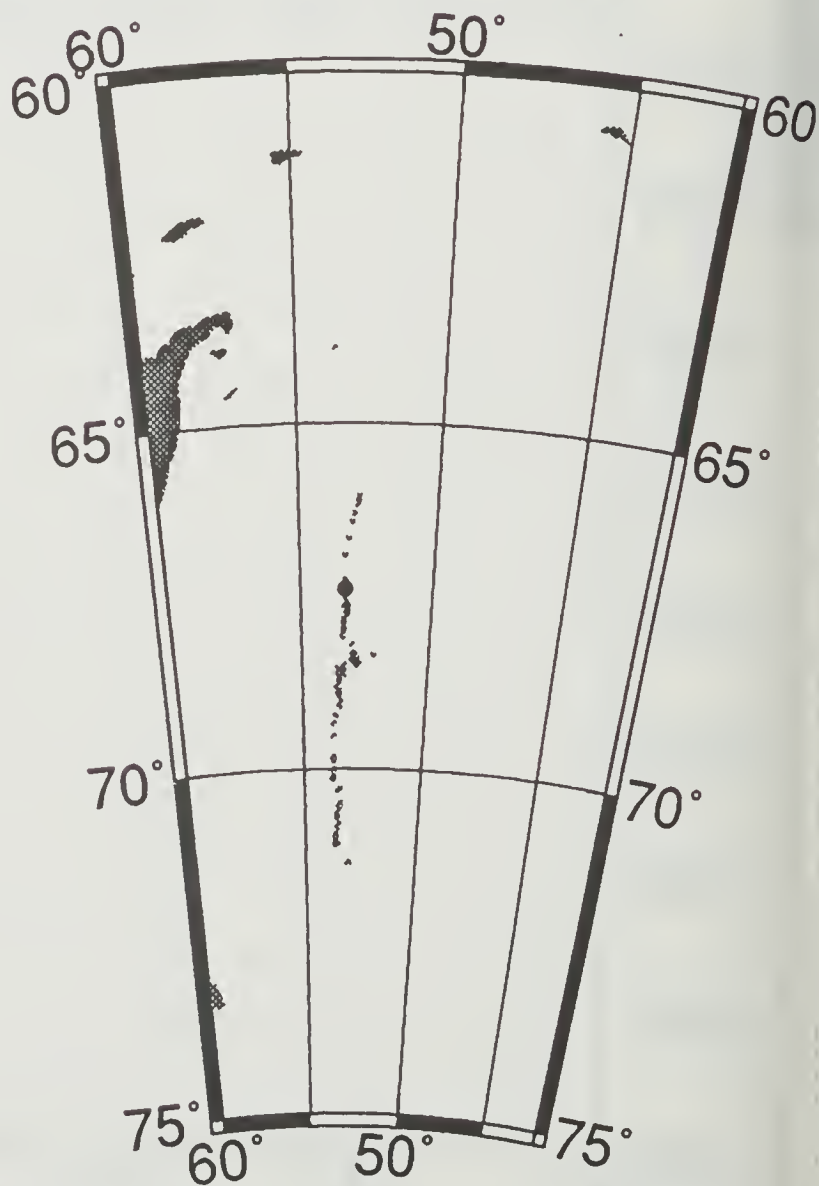
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI

ISW-1	-67.3847 S	-53.3037 W	93/05/20	141	16:26	RUSS CTD #82					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.782	-1.782	34.423	27.711	32.479	37.140	0.00	37.4	12.6	-3.2	
10	-1.843	-1.843	34.437	27.724	32.494	37.157	2.02	36.1	4.9	-5.6	
20	-1.843	-1.843	34.443	27.729	32.499	37.162	1.24	35.6	5.0	-6.8	
30	-1.842	-1.843	34.444	27.730	32.500	37.162	0.50	35.4	4.8	-6.9	
40	-1.841	-1.842	34.445	27.731	32.501	37.163	0.50	35.3	4.0	-6.5	
50	-1.841	-1.842	34.446	27.732	32.501	37.164	0.51	35.1	3.5	-6.4	
60	-1.839	-1.840	34.447	27.733	32.502	37.164	0.49	35.0	2.9	-5.2	
70	-1.837	-1.838	34.449	27.734	32.504	37.166	0.70	34.8	3.5	-3.8	
80	-1.840	-1.842	34.449	27.734	32.504	37.166	0.17	34.7	3.8	-4.0	
90	-1.829	-1.831	34.450	27.735	32.504	37.166	0.39	34.6	4.0	-3.9	
100	-1.759	-1.761	34.475	27.753	32.520	37.180	2.39	32.9	4.1	-3.9	
110	-1.707	-1.709	34.466	27.744	32.510	37.168	-1.67	33.6	2.9	-2.3	
120	-1.675	-1.678	34.470	27.747	32.511	37.168	0.83	33.4	3.4	-3.0	
130	-1.651	-1.654	34.475	27.750	32.514	37.170	1.01	33.0	3.2	-3.0	
140	-1.614	-1.617	34.482	27.755	32.517	37.172	1.18	32.5	2.9	-3.0	
150	-1.554	-1.557	34.483	27.754	32.514	37.167	-0.63	32.6	3.9	-2.4	
160	-1.502	-1.506	34.490	27.758	32.517	37.168	1.09	32.2	4.3	-2.8	
170	-1.411	-1.415	34.496	27.760	32.516	37.164	0.68	32.0	4.9	-2.3	
180	-1.325	-1.330	34.508	27.767	32.520	37.166	1.41	31.4	5.1	-0.8	
190	-1.231	-1.236	34.513	27.767	32.518	37.161	0.29	31.3	6.0	-1.1	
200	-1.069	-1.075	34.535	27.779	32.524	37.162	1.85	30.2	6.0	-0.0	
210	-0.897	-0.903	34.535	27.773	32.512	37.145	-1.56	30.9	4.8	-0.2	
220	-0.853	-0.860	34.536	27.772	32.510	37.142	-0.62	31.0	5.4	0.0	
230	-0.688	-0.695	34.563	27.787	32.520	37.146	2.08	29.7	4.3	-1.6	
240	-0.447	-0.455	34.585	27.794	32.519	37.139	1.28	29.2	3.5	-3.6	
250	-0.344	-0.353	34.580	27.785	32.507	37.124	-1.74	30.1	3.8	-2.6	
260	-0.225	-0.234	34.602	27.797	32.516	37.128	1.86	29.0	2.9	-5.1	
270	-0.141	-0.151	34.595	27.787	32.503	37.114	-1.81	30.0	2.8	-3.2	
280	-0.065	-0.075	34.606	27.792	32.506	37.114	1.17	29.6	3.2	-5.1	
290	0.051	0.040	34.626	27.802	32.513	37.117	1.68	28.7	3.6	-4.8	
300	0.138	0.126	34.625	27.797	32.505	37.106	-1.40	29.3	3.0	-5.7	
325	0.260	0.247	34.634	27.797	32.501	37.100	-0.27	29.4	3.1	-5.8	
350	0.307	0.293	34.637	27.797	32.500	37.097	-0.28	29.4	-4.7	-2.3	
375	0.374	0.358	34.642	27.797	32.498	37.093	-0.24	29.5	-1.7	1.8	
400	0.409	0.392	34.644	27.797	32.497	37.091	-0.30	29.6	21.7	-3.7	
425	0.429	0.411	34.647	27.798	32.498	37.091	0.37	29.5	14.4	-10.6	
450	0.463	0.444	34.651	27.800	32.498	37.090	0.33	29.4	9.5	-8.7	
475	0.492	0.471	34.654	27.801	32.498	37.090	0.22	29.4	9.3	-8.1	
500	0.524	0.502	34.658	27.802	32.498	37.089	0.34	29.4	9.4	-8.3	
550	0.551	0.526	34.663	27.804	32.500	37.090	0.37	29.2	9.1	-7.8	
600	0.559	0.532	34.665	27.806	32.501	37.091	0.27	29.2	8.7	-7.5	
650	0.561	0.531	34.667	27.807	32.503	37.093	0.32	29.1	9.5	-7.1	
700	0.554	0.522	34.667	27.808	32.504	37.094	0.22	29.1	8.9	-6.5	
750	0.536	0.501	34.668	27.810	32.506	37.097	0.39	28.9	8.8	-6.3	
800	0.514	0.477	34.666	27.810	32.507	37.098	0.16	28.9	9.0	-5.1	
850	0.492	0.452	34.667	27.812	32.510	37.102	0.42	28.7	8.4	-5.1	

AARI 082



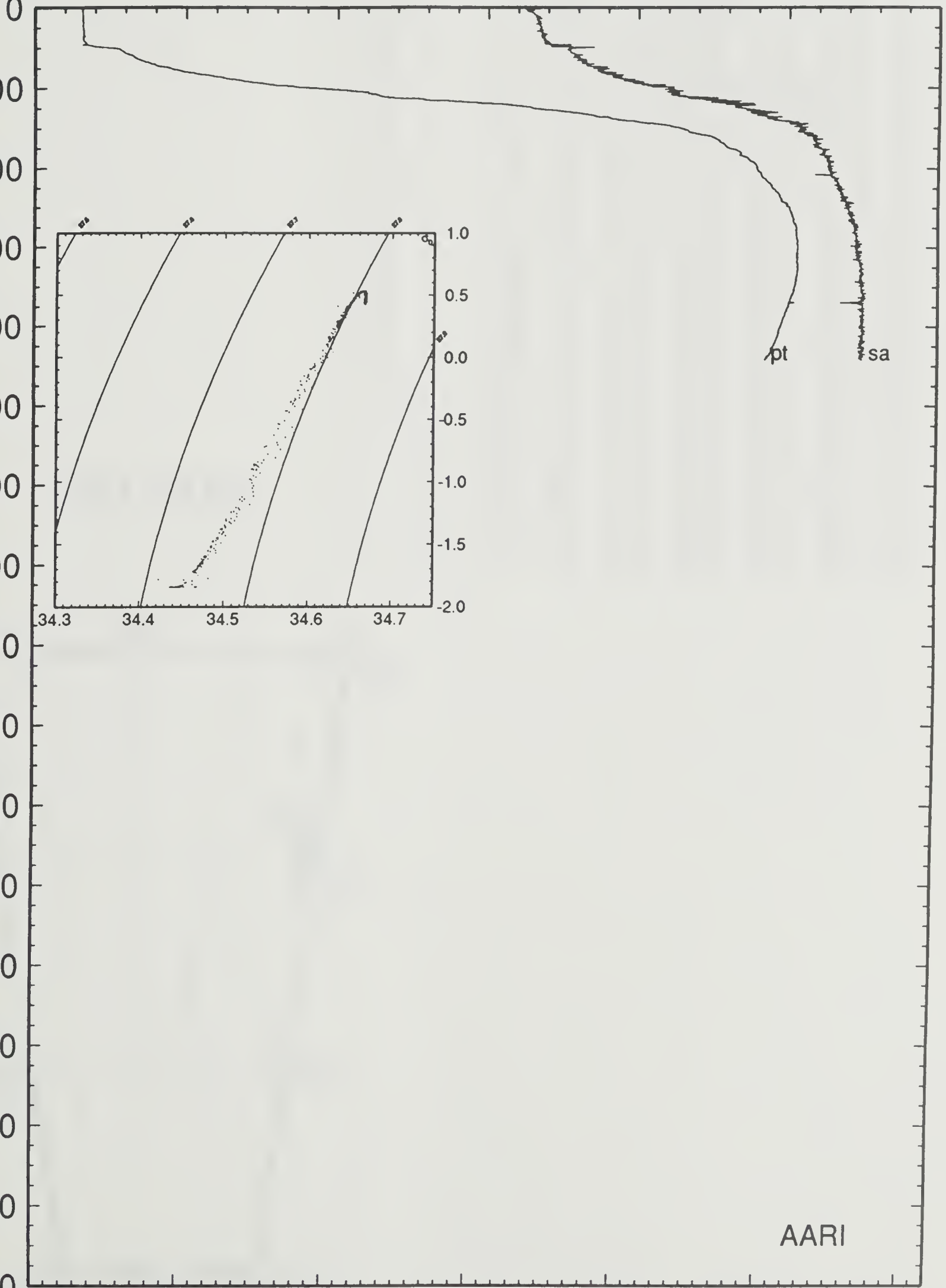
82

93/05/20 16:26

67 23.08 S 53 18.22 W

# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



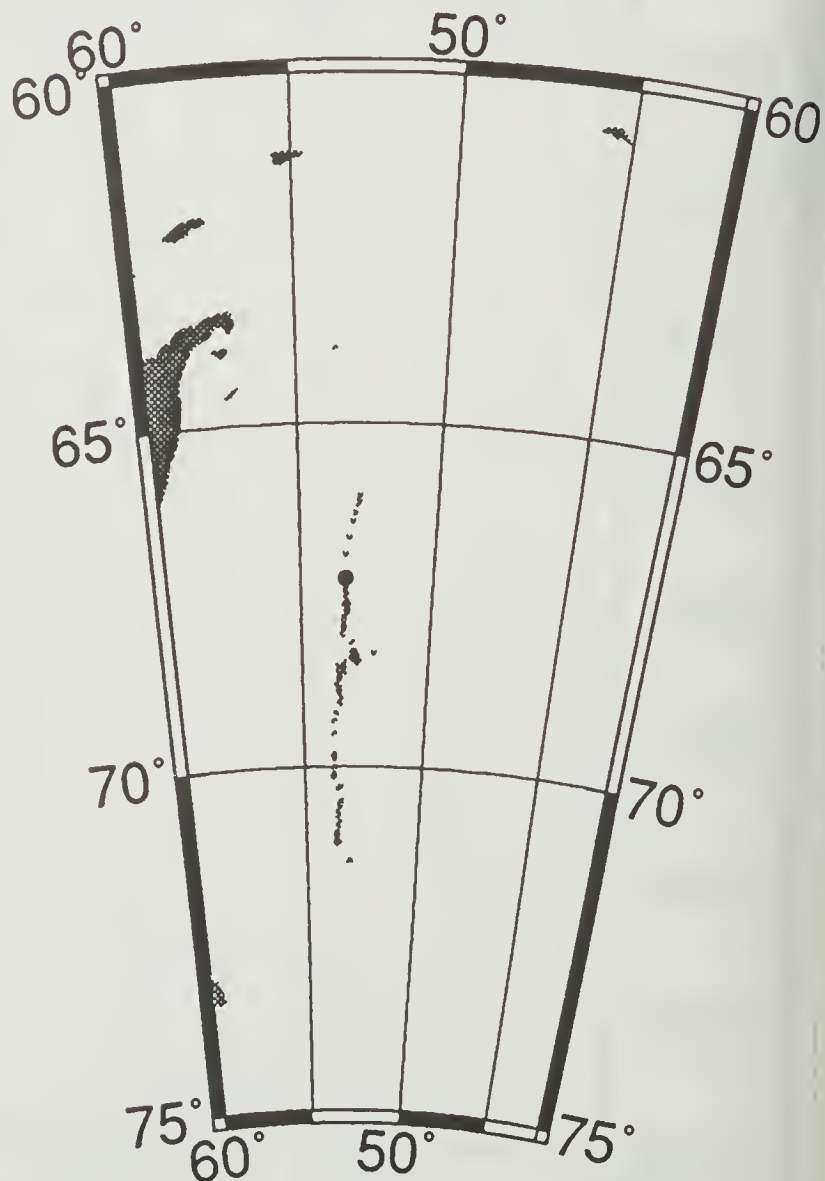
pressure

AARI

salinity

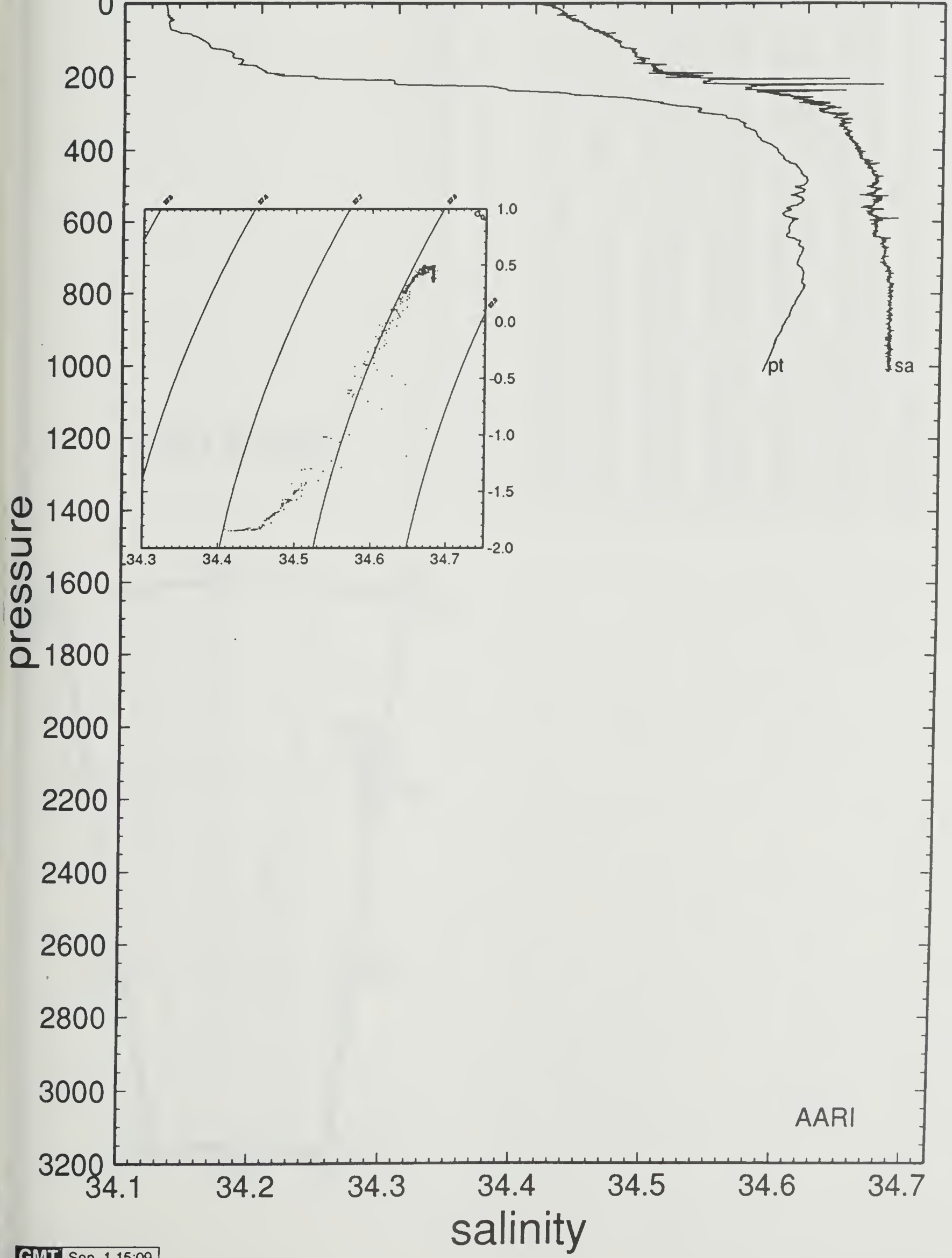
ISW-1	-67.2562 S	-53.3002 W	93/05/21	142	15:36	RUSS CTD #83					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.833	-1.833	34.410	27.702	32.472	37.134	0.00	38.2	30.8	2.6	
10	-1.846	-1.846	34.424	27.714	32.484	37.147	1.92	37.1	13.6	-7.1	
20	-1.843	-1.843	34.430	27.719	32.489	37.151	1.23	36.6	16.8	-10.8	
30	-1.843	-1.844	34.431	27.720	32.490	37.152	0.51	36.4	11.3	-6.4	
40	-1.833	-1.834	34.435	27.723	32.492	37.154	0.97	36.1	13.8	-7.9	
50	-1.837	-1.838	34.444	27.730	32.500	37.162	1.53	35.3	14.1	-8.0	
60	-1.837	-1.838	34.447	27.732	32.502	37.164	0.87	35.0	14.0	-7.9	
70	-1.833	-1.834	34.451	27.736	32.505	37.167	0.99	34.7	14.4	-7.3	
80	-1.800	-1.802	34.459	27.741	32.510	37.171	1.32	34.1	15.5	-7.9	
90	-1.747	-1.749	34.466	27.745	32.512	37.171	1.13	33.6	15.4	-6.5	
100	-1.716	-1.718	34.470	27.748	32.513	37.172	0.85	33.4	15.4	-6.8	
110	-1.694	-1.696	34.473	27.750	32.515	37.172	0.74	33.1	15.9	-6.6	
120	-1.686	-1.689	34.474	27.750	32.515	37.172	0.42	33.0	15.8	-6.2	
130	-1.625	-1.628	34.483	27.756	32.518	37.174	1.29	32.5	16.0	-5.9	
140	-1.598	-1.601	34.486	27.757	32.519	37.174	0.69	32.3	16.3	-6.3	
150	-1.594	-1.597	34.491	27.761	32.523	37.177	1.11	31.9	16.0	-5.6	
160	-1.568	-1.572	34.492	27.761	32.522	37.176	-0.17	31.8	15.5	-6.5	
170	-1.528	-1.532	34.504	27.770	32.529	37.182	1.61	31.0	15.4	-6.2	
180	-1.498	-1.502	34.501	27.767	32.525	37.177	-1.05	31.3	15.6	-5.7	
190	-1.481	-1.486	34.509	27.773	32.531	37.181	1.35	30.7	16.3	-5.5	
200	-1.312	-1.317	34.535	27.788	32.541	37.186	2.13	29.3	15.4	-5.3	
210	-1.029	-1.035	34.548	27.788	32.532	37.169	-0.69	29.4	15.0	-4.2	
220	-1.012	-1.018	34.538	27.780	32.523	37.159	-1.66	30.2	15.0	-4.8	
230	-0.628	-0.635	34.573	27.792	32.523	37.148	1.75	29.2	15.1	-5.7	
240	-0.518	-0.526	34.618	27.824	32.551	37.172	3.10	26.3	14.7	-3.5	
250	-0.352	-0.361	34.599	27.801	32.523	37.140	-2.76	28.6	14.8	-8.9	
260	-0.150	-0.159	34.615	27.804	32.520	37.130	0.67	28.4	14.4	-8.6	
270	-0.064	-0.074	34.619	27.803	32.516	37.124	-0.76	28.6	15.5	-9.3	
280	0.009	-0.002	34.622	27.801	32.513	37.118	-0.79	28.8	15.2	-8.9	
290	0.122	0.111	34.626	27.798	32.507	37.109	-1.08	29.1	14.7	-10.1	
300	0.114	0.102	34.631	27.803	32.511	37.114	1.19	28.7	15.1	-10.0	
325	0.268	0.255	34.644	27.805	32.509	37.107	0.27	28.7	14.6	-9.5	
350	0.322	0.308	34.647	27.804	32.507	37.103	-0.37	28.8	14.8	-8.7	
375	0.346	0.330	34.650	27.805	32.507	37.103	0.33	28.7	14.6	-9.2	
400	0.409	0.392	34.654	27.805	32.505	37.099	-0.36	28.8	14.5	-9.5	
425	0.433	0.415	34.658	27.807	32.506	37.099	0.45	28.7	14.7	-9.3	
450	0.481	0.462	34.665	27.810	32.507	37.099	0.53	28.5	14.8	-8.7	
475	0.508	0.487	34.672	27.814	32.511	37.102	0.68	28.2	14.4	-8.6	
500	0.512	0.490	34.668	27.811	32.507	37.098	-0.65	28.5	15.0	-7.8	
550	0.504	0.480	34.668	27.811	32.508	37.100	0.22	28.5	14.8	-7.7	
600	0.479	0.452	34.671	27.815	32.513	37.105	0.53	28.2	14.3	-6.9	
650	0.490	0.461	34.674	27.817	32.515	37.107	0.33	28.0	14.0	-6.0	
700	0.509	0.477	34.675	27.817	32.514	37.105	-0.18	28.1	13.9	-5.2	
750	0.526	0.491	34.680	27.820	32.517	37.108	0.42	27.9	14.3	-4.4	
800	0.521	0.484	34.681	27.822	32.518	37.109	0.30	27.9	14.7	-4.7	
850	0.489	0.449	34.680	27.823	32.521	37.113	0.36	27.7	14.0	-3.6	
900	0.459	0.417	34.681	27.825	32.524	37.117	0.47	27.5	13.7	-4.7	
950	0.433	0.388	34.681	27.827	32.527	37.121	0.39	27.3	14.8	-5.0	
1000	0.406	0.358	34.682	27.830	32.530	37.125	0.46	27.0	14.4	-4.7	

AARI 083



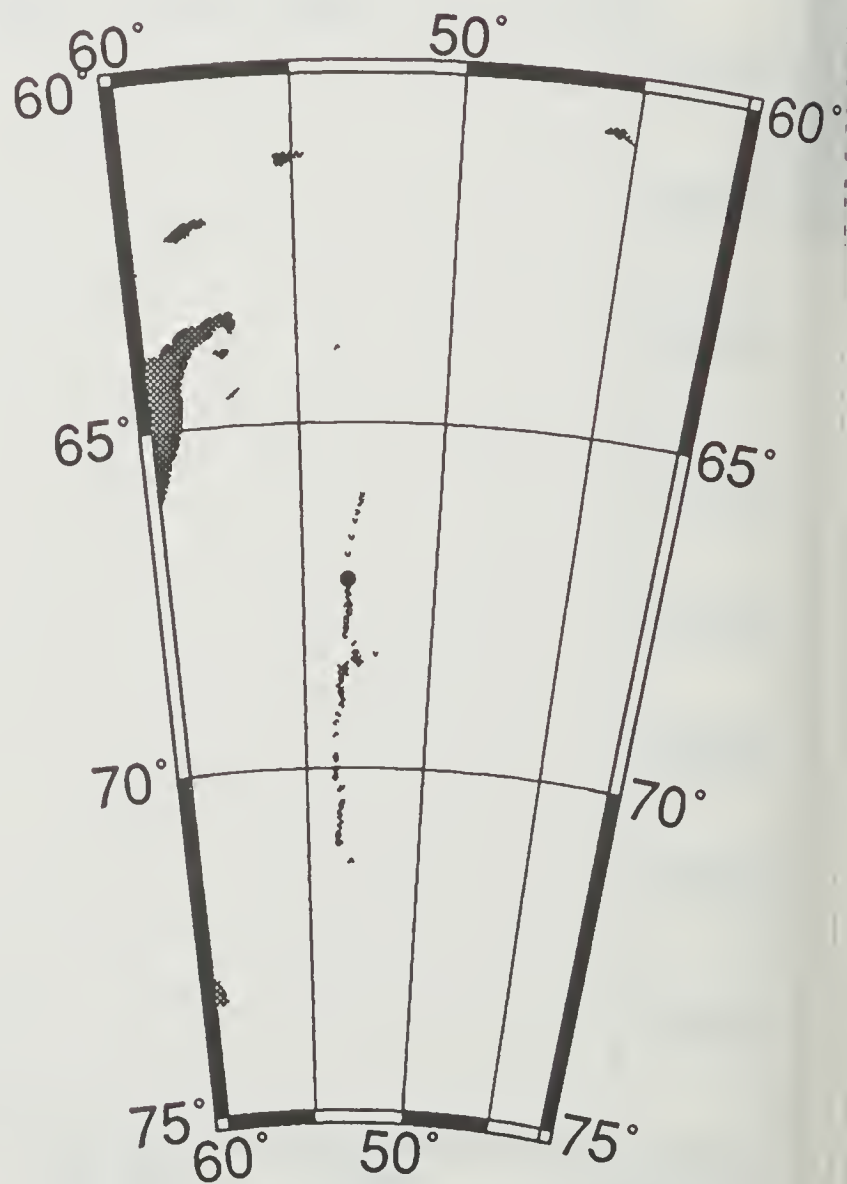
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-1	-67.2562 S	-53.3002 W	93/05/22	143	15:47	RUSS CTD #84					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.837	-1.837	34.400	27.694	32.464	37.127	0.00	39.0	18.8	5.6	
10	-1.843	-1.843	34.395	27.690	32.461	37.123	-1.11	39.3	11.6	-9.4	
20	-1.842	-1.842	34.399	27.694	32.464	37.126	1.01	38.9	12.4	-11.0	
30	-1.837	-1.838	34.410	27.702	32.472	37.135	1.66	38.1	11.5	-8.4	
40	-1.791	-1.792	34.431	27.718	32.486	37.147	2.22	36.5	13.6	-9.3	
50	-1.769	-1.770	34.438	27.723	32.491	37.151	1.26	36.0	13.9	-8.8	
60	-1.748	-1.749	34.442	27.726	32.493	37.152	0.91	35.7	14.2	-7.8	
70	-1.736	-1.737	34.447	27.730	32.496	37.155	1.08	35.2	14.1	-9.0	
80	-1.720	-1.722	34.455	27.736	32.502	37.160	1.37	34.6	14.5	-8.5	
90	-1.711	-1.713	34.458	27.738	32.504	37.162	0.82	34.4	14.2	-8.2	
100	-1.700	-1.702	34.462	27.741	32.506	37.164	0.95	34.0	14.0	-7.2	
110	-1.685	-1.687	34.466	27.744	32.508	37.166	0.93	33.7	15.1	-7.7	
120	-1.665	-1.668	34.471	27.747	32.511	37.168	1.03	33.3	14.8	-8.0	
130	-1.626	-1.629	34.474	27.749	32.511	37.167	0.60	33.2	13.8	-7.5	
140	-1.608	-1.611	34.477	27.750	32.513	37.168	0.76	32.9	13.4	-7.3	
150	-1.593	-1.596	34.480	27.752	32.514	37.169	0.78	32.7	13.7	-6.9	
160	-1.576	-1.580	34.483	27.754	32.516	37.169	0.76	32.5	14.6	-6.7	
170	-1.472	-1.476	34.508	27.771	32.529	37.180	2.27	30.9	14.3	-6.2	
180	-1.356	-1.360	34.498	27.760	32.514	37.161	-1.98	32.0	14.5	-5.7	
190	-1.160	-1.165	34.518	27.769	32.517	37.158	1.60	31.2	14.0	-4.3	
200	-1.048	-1.054	34.528	27.773	32.517	37.155	1.01	30.9	13.9	-4.8	
210	-0.859	-0.865	34.542	27.777	32.515	37.147	0.92	30.6	14.0	-3.9	
220	-0.699	-0.706	34.557	27.782	32.516	37.143	1.17	30.1	14.0	-5.9	
230	-0.601	-0.608	34.568	27.787	32.517	37.141	1.11	29.7	13.3	-6.7	
240	-0.466	-0.474	34.585	27.795	32.521	37.141	1.44	29.1	13.6	-8.0	
250	-0.317	-0.326	34.584	27.787	32.509	37.124	-1.67	29.9	13.1	-8.7	
260	-0.248	-0.257	34.598	27.795	32.514	37.128	1.52	29.2	14.6	-9.3	
270	-0.146	-0.156	34.597	27.789	32.505	37.116	-1.45	29.8	14.6	-9.8	
280	-0.106	-0.116	34.601	27.790	32.505	37.115	0.53	29.7	14.1	-8.6	
290	-0.009	-0.020	34.615	27.797	32.509	37.115	1.31	29.2	14.3	-9.2	
300	0.050	0.039	34.621	27.798	32.509	37.113	0.62	29.1	15.6	-10.9	
325	0.167	0.154	34.629	27.798	32.505	37.106	-0.34	29.2	14.6	-9.2	
350	0.279	0.265	34.635	27.797	32.501	37.099	-0.55	29.4	14.0	-8.8	
375	0.341	0.325	34.642	27.799	32.501	37.097	0.44	29.3	15.4	-8.6	
400	0.366	0.349	34.647	27.802	32.503	37.098	0.54	29.1	14.3	-8.0	
425	0.407	0.389	34.649	27.801	32.501	37.095	-0.38	29.2	14.8	-7.1	
450	0.435	0.416	34.656	27.805	32.504	37.098	0.68	28.9	15.2	-8.1	
475	0.459	0.438	34.659	27.806	32.505	37.097	0.31	28.8	15.1	-7.3	
500	0.477	0.455	34.660	27.806	32.504	37.096	-0.23	28.9	14.8	-6.8	
550	0.518	0.494	34.666	27.809	32.505	37.096	0.35	28.8	14.1	-6.3	
600	0.547	0.520	34.672	27.812	32.508	37.098	0.42	28.6	14.4	-6.3	
650	0.565	0.535	34.674	27.813	32.508	37.098	0.16	28.6	15.2	-5.4	
700	0.567	0.535	34.676	27.814	32.510	37.099	0.32	28.5	16.3	-5.5	
750	0.559	0.524	34.676	27.815	32.511	37.101	0.23	28.5	15.3	-3.6	
800	0.539	0.501	34.677	27.817	32.514	37.104	0.41	28.3	16.0	-3.1	
850	0.512	0.472	34.678	27.820	32.517	37.108	0.45	28.1	15.4	-2.7	
900	0.485	0.442	34.678	27.822	32.520	37.112	0.40	27.9	15.6	-3.4	
950	0.457	0.412	34.679	27.824	32.523	37.116	0.46	27.6	14.9	-1.7	
1000	0.428	0.380	34.677	27.824	32.524	37.118	0.27	27.6	15.5	-3.3	

AARI 084



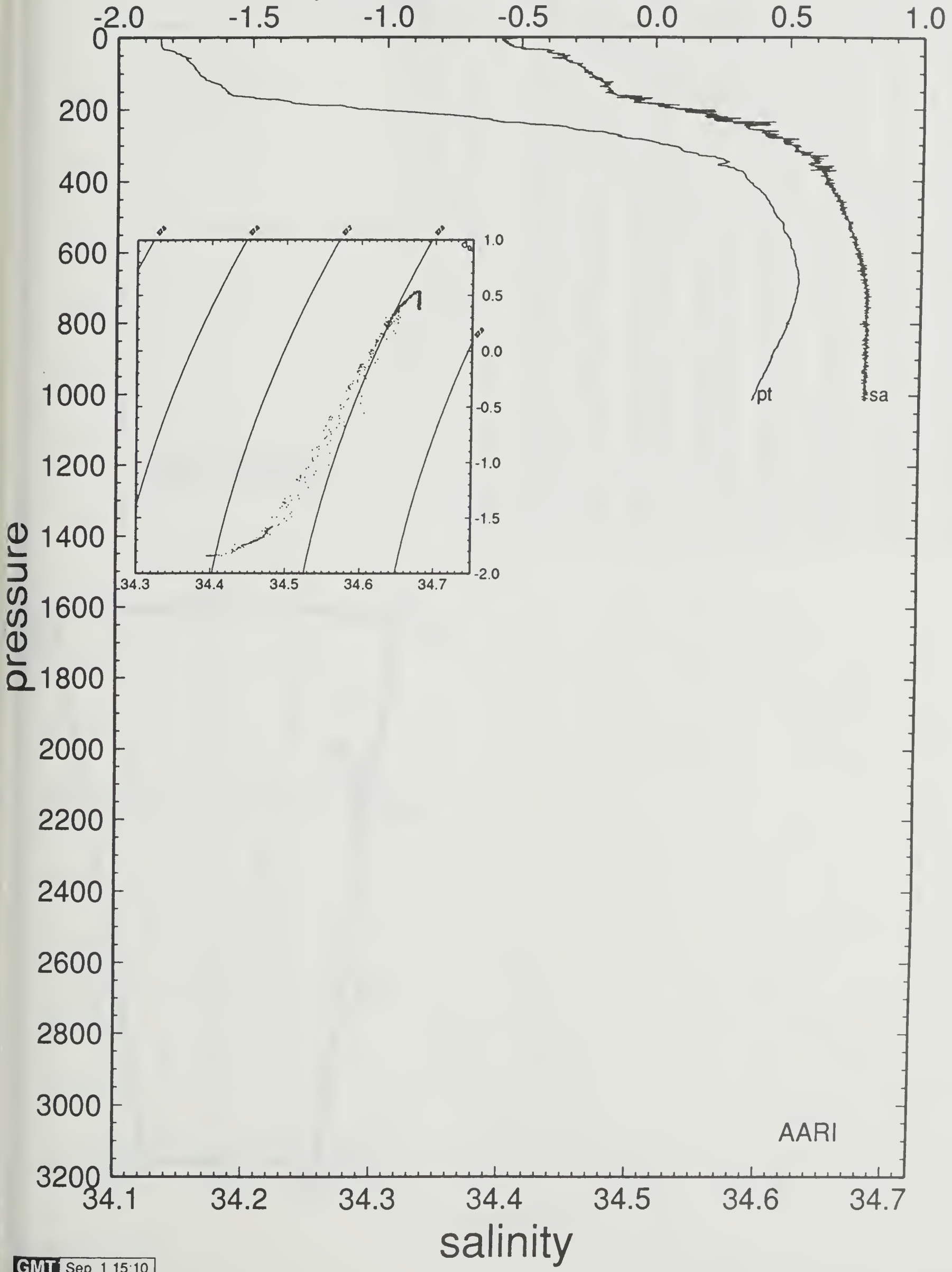


84

93/05/22 15:47

67 15.37 S 53 18.01 W

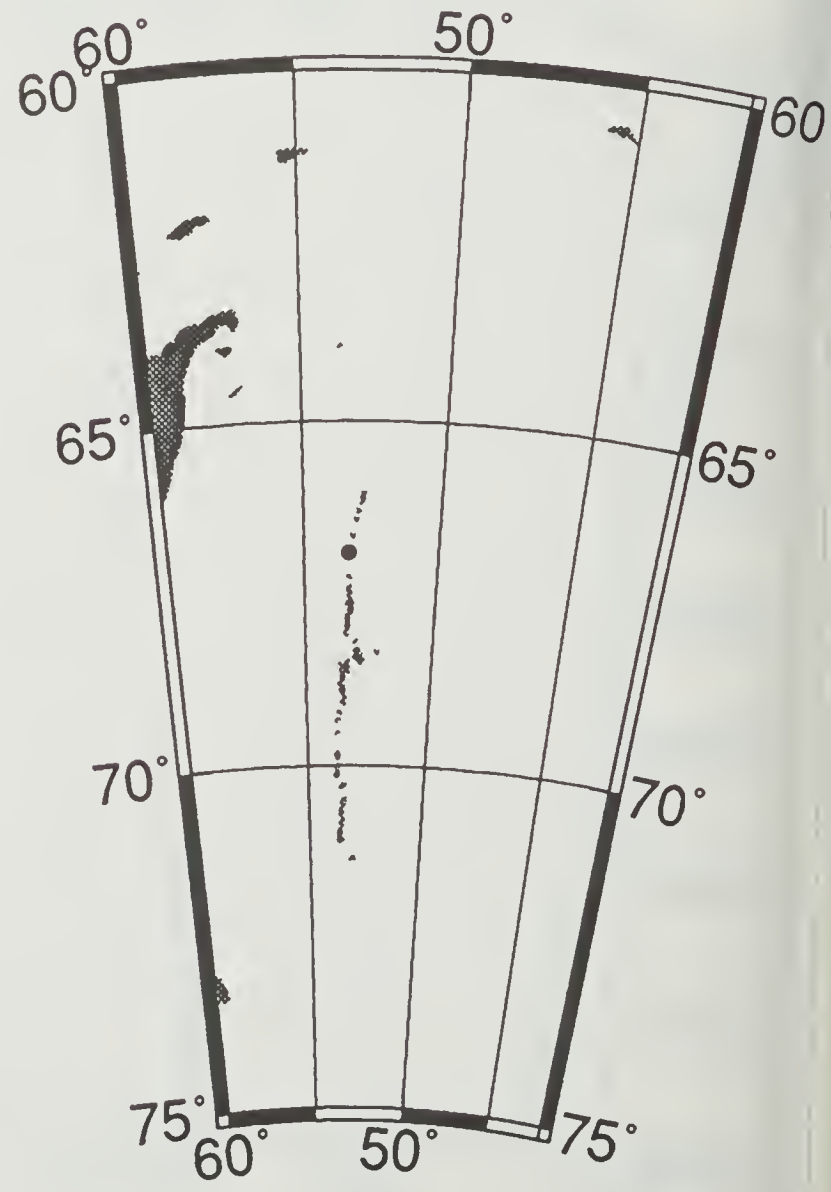
# potential temperature



AARI

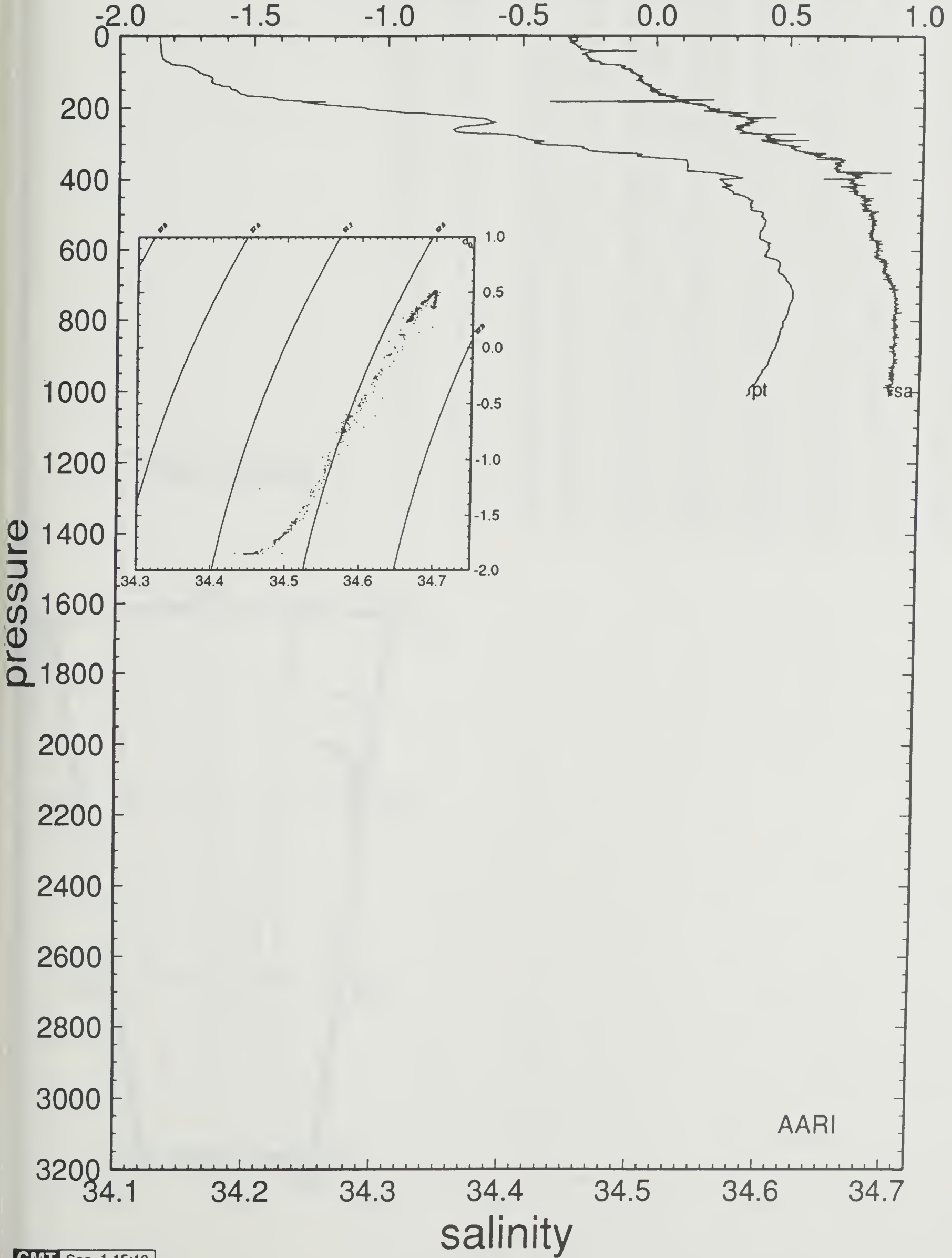
ISW-1	-66.9013 S	-53.3208 W	93/05/23	144	15:36	RUSS CTD #85					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.847	-1.847	34.433	27.721	32.491	37.154	0.00	36.4	37.3	3.8	
10	-1.851	-1.851	34.447	27.733	32.503	37.165	1.90	35.3	19.9	-5.8	
20	-1.851	-1.851	34.448	27.734	32.504	37.166	0.51	35.2	15.9	-7.5	
30	-1.849	-1.850	34.453	27.738	32.508	37.170	1.12	34.7	14.7	-3.7	
40	-1.849	-1.850	34.454	27.738	32.508	37.171	0.51	34.6	9.5	-1.5	
50	-1.847	-1.848	34.457	27.741	32.511	37.173	0.86	34.3	8.6	0.8	
60	-1.842	-1.843	34.460	27.743	32.513	37.175	0.85	34.0	12.1	-2.4	
70	-1.832	-1.833	34.463	27.745	32.515	37.177	0.82	33.7	11.6	8.6	
80	-1.803	-1.805	34.477	27.756	32.524	37.185	1.82	32.7	10.9	-1.0	
90	-1.729	-1.731	34.486	27.761	32.527	37.186	1.26	32.2	11.1	2.1	
100	-1.709	-1.711	34.493	27.766	32.532	37.189	1.26	31.6	11.2	-0.3	
110	-1.674	-1.676	34.499	27.770	32.534	37.191	1.08	31.2	10.4	6.7	
120	-1.655	-1.658	34.500	27.771	32.534	37.190	0.25	31.1	11.3	4.1	
130	-1.655	-1.658	34.503	27.773	32.536	37.193	0.87	30.9	11.2	2.6	
140	-1.610	-1.613	34.509	27.777	32.538	37.193	1.02	30.5	14.4	-3.3	
150	-1.581	-1.584	34.514	27.780	32.541	37.194	0.98	30.1	11.8	2.9	
160	-1.551	-1.555	34.515	27.780	32.540	37.193	-0.28	30.1	11.7	1.6	
170	-1.463	-1.467	34.525	27.785	32.542	37.192	1.24	29.6	12.8	1.9	
180	-1.361	-1.365	34.550	27.802	32.556	37.203	2.26	28.0	14.1	6.7	
190	-1.260	-1.265	34.547	27.796	32.547	37.191	-1.42	28.6	15.0	0.2	
200	-1.090	-1.095	34.554	27.796	32.541	37.180	-0.69	28.7	15.7	4.8	
210	-0.998	-1.004	34.557	27.795	32.537	37.173	-0.72	28.8	13.5	2.7	
220	-0.814	-0.821	34.575	27.802	32.539	37.169	1.37	28.2	14.2	0.6	
230	-0.668	-0.675	34.583	27.802	32.534	37.160	-0.47	28.3	14.1	1.3	
240	-0.606	-0.614	34.590	27.805	32.535	37.159	0.89	28.0	14.8	4.2	
250	-0.668	-0.676	34.578	27.798	32.530	37.156	-1.42	28.6	15.1	-0.8	
260	-0.744	-0.752	34.575	27.799	32.534	37.162	0.67	28.4	15.9	4.8	
270	-0.724	-0.732	34.585	27.806	32.540	37.168	1.49	27.7	18.9	2.1	
280	-0.510	-0.519	34.598	27.807	32.535	37.156	-0.47	27.8	17.3	1.1	
290	-0.463	-0.473	34.604	27.810	32.536	37.155	0.85	27.5	17.1	-0.2	
300	-0.445	-0.455	34.606	27.811	32.536	37.155	0.45	27.5	17.0	0.1	
325	-0.195	-0.207	34.629	27.817	32.535	37.147	0.72	27.0	18.4	0.9	
350	0.128	0.114	34.656	27.822	32.530	37.132	0.46	26.9	19.2	-0.3	
375	0.131	0.116	34.652	27.819	32.527	37.129	-0.65	27.2	20.0	-3.0	
400	0.311	0.294	34.643	27.802	32.505	37.101	-1.55	29.0	20.9	-2.5	
425	0.271	0.253	34.666	27.823	32.526	37.124	1.63	27.0	21.6	-2.0	
450	0.350	0.331	34.675	27.826	32.527	37.122	0.47	26.9	21.6	-0.7	
475	0.375	0.355	34.675	27.824	32.525	37.120	-0.46	27.0	21.4	0.5	
500	0.424	0.402	34.679	27.825	32.524	37.117	-0.18	27.1	21.0	0.8	
550	0.417	0.393	34.681	27.827	32.526	37.120	0.38	26.9	20.6	0.4	
600	0.450	0.423	34.685	27.828	32.527	37.120	0.24	26.9	21.5	-0.1	
650	0.494	0.465	34.692	27.832	32.529	37.120	0.39	26.7	22.3	3.1	
700	0.539	0.507	34.697	27.833	32.529	37.119	0.20	26.7	23.6	2.1	
750	0.545	0.510	34.701	27.836	32.532	37.122	0.43	26.5	23.2	3.7	
800	0.525	0.488	34.700	27.837	32.533	37.124	0.26	26.5	22.3	4.5	
850	0.506	0.466	34.699	27.837	32.534	37.126	0.25	26.4	21.9	2.8	
900	0.482	0.439	34.700	27.839	32.537	37.130	0.44	26.2	21.5	3.3	
950	0.451	0.406	34.700	27.841	32.540	37.133	0.42	26.0	21.4	4.3	
1000	0.407	0.359	34.697	27.842	32.542	37.137	0.32	25.9	21.8	6.7	

AARI 085



85 93/05/23 15:36 66 54.08 S 53 19.25 W

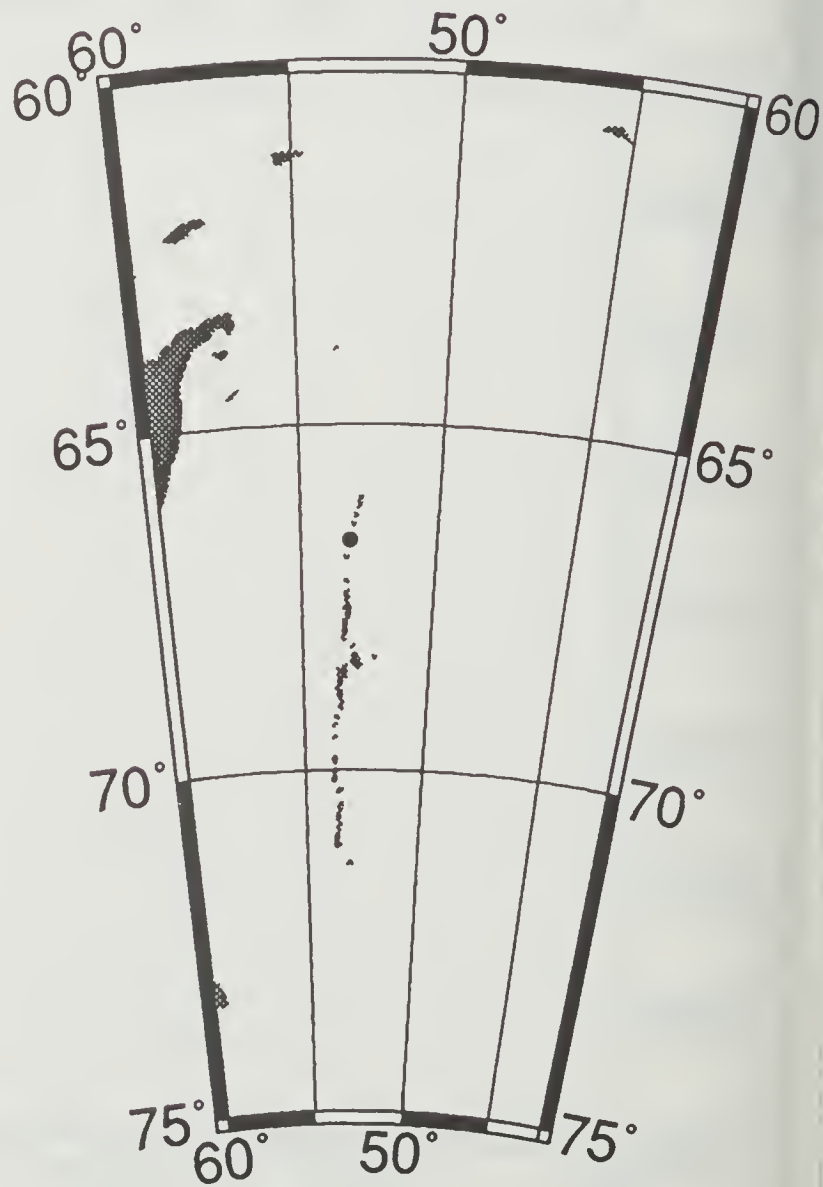
# potential temperature



AARI

ISW-1	-66.6533 S	-53.184 W	93/05/24	145	16:08	RUSS	CTD	# 86			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.834	-1.834	34.431	27.719	32.489	37.151	0.00	36.6	40.8	13.0	
10	-1.844	-1.844	34.433	27.721	32.491	37.154	0.77	36.4	18.4	0.1	
20	-1.844	-1.844	34.434	27.722	32.492	37.154	0.51	36.2	20.1	-6.6	
30	-1.844	-1.845	34.434	27.722	32.492	37.154	0.04	36.2	19.6	-5.0	
40	-1.843	-1.844	34.435	27.723	32.493	37.155	0.50	36.1	18.4	-4.5	
50	-1.841	-1.842	34.438	27.725	32.495	37.157	0.86	35.8	17.5	-4.7	
60	-1.834	-1.835	34.440	27.727	32.496	37.158	0.67	35.6	19.1	-6.2	
70	-1.825	-1.826	34.444	27.730	32.499	37.161	0.97	35.2	16.8	-3.8	
80	-1.821	-1.823	34.443	27.729	32.498	37.160	-0.54	35.3	17.7	-4.3	
90	-1.744	-1.746	34.464	27.744	32.510	37.169	2.15	33.8	19.2	-5.0	
100	-1.730	-1.732	34.468	27.747	32.513	37.171	0.94	33.5	19.1	-2.5	
110	-1.701	-1.703	34.476	27.752	32.517	37.175	1.32	32.9	20.5	-2.6	
120	-1.699	-1.702	34.476	27.752	32.517	37.175	-0.13	32.8	21.5	-2.9	
130	-1.683	-1.686	34.478	27.753	32.518	37.175	0.59	32.7	24.0	-4.4	
140	-1.664	-1.667	34.486	27.759	32.523	37.180	1.36	32.1	23.9	-2.8	
150	-1.619	-1.622	34.486	27.758	32.521	37.176	-0.69	32.2	24.1	-2.9	
160	-1.600	-1.604	34.490	27.761	32.523	37.177	0.90	31.9	24.0	-2.1	
170	-1.561	-1.565	34.495	27.764	32.524	37.178	0.92	31.6	24.0	-1.4	
180	-1.459	-1.463	34.507	27.770	32.528	37.178	1.37	31.0	23.8	-0.0	
190	-1.445	-1.450	34.504	27.767	32.524	37.174	-0.96	31.2	24.5	-0.8	
200	-1.383	-1.388	34.509	27.769	32.524	37.172	0.72	31.0	24.1	0.6	
210	-1.484	-1.489	34.492	27.759	32.517	37.168	-1.75	31.9	25.4	0.1	
220	-1.297	-1.303	34.543	27.794	32.546	37.191	3.26	28.6	25.4	1.0	
230	-1.226	-1.232	34.548	27.796	32.545	37.188	0.58	28.5	24.8	1.5	
240	-1.084	-1.091	34.535	27.780	32.525	37.164	-2.29	30.0	24.9	2.1	
250	-0.983	-0.990	34.545	27.784	32.527	37.162	1.04	29.7	23.7	1.4	
260	-0.916	-0.924	34.542	27.779	32.519	37.153	-1.32	30.2	24.6	0.1	
270	-0.799	-0.807	34.554	27.784	32.521	37.151	1.12	29.7	24.6	-0.8	
280	-0.737	-0.746	34.592	27.812	32.547	37.174	2.94	27.1	24.6	-2.0	
290	-0.544	-0.554	34.590	27.802	32.531	37.153	-1.91	28.2	24.7	-3.0	
300	-0.361	-0.371	34.594	27.797	32.520	37.137	-1.47	28.8	25.0	-3.4	
325	-0.088	-0.100	34.618	27.803	32.518	37.126	0.64	28.5	25.6	-2.2	
350	0.121	0.107	34.631	27.803	32.511	37.113	-0.57	28.7	24.9	-3.4	
375	0.284	0.269	34.642	27.803	32.506	37.104	-0.48	28.9	25.2	-2.5	
400	0.334	0.317	34.644	27.801	32.503	37.100	-0.46	29.1	25.4	-3.5	
425	0.361	0.343	34.647	27.802	32.504	37.099	0.28	29.0	25.2	-1.8	
450	0.402	0.383	34.652	27.804	32.504	37.098	0.39	29.0	26.1	-1.4	
475	0.457	0.436	34.661	27.808	32.507	37.099	0.65	28.7	25.5	-2.0	
500	0.457	0.435	34.658	27.806	32.504	37.097	-0.54	28.9	25.4	-1.5	
550	0.459	0.435	34.660	27.807	32.506	37.099	0.32	28.8	26.1	-1.1	
600	0.477	0.450	34.662	27.808	32.506	37.098	0.16	28.8	26.6	-0.7	
650	0.540	0.510	34.671	27.812	32.508	37.098	0.40	28.6	26.6	1.4	
700	0.533	0.501	34.673	27.814	32.510	37.101	0.38	28.5	26.4	2.5	
750	0.530	0.495	34.676	27.817	32.513	37.104	0.42	28.3	26.0	2.3	
800	0.512	0.475	34.676	27.818	32.515	37.107	0.32	28.2	27.0	2.6	
850	0.478	0.438	34.676	27.820	32.518	37.111	0.44	28.0	26.8	3.7	
900	0.458	0.416	34.674	27.820	32.519	37.112	0.14	28.0	27.5	4.0	
950	0.433	0.388	34.675	27.822	32.522	37.116	0.44	27.7	27.0	3.6	
1000	0.407	0.359	34.674	27.823	32.524	37.118	0.32	27.6	26.7	3.7	

AARI 086



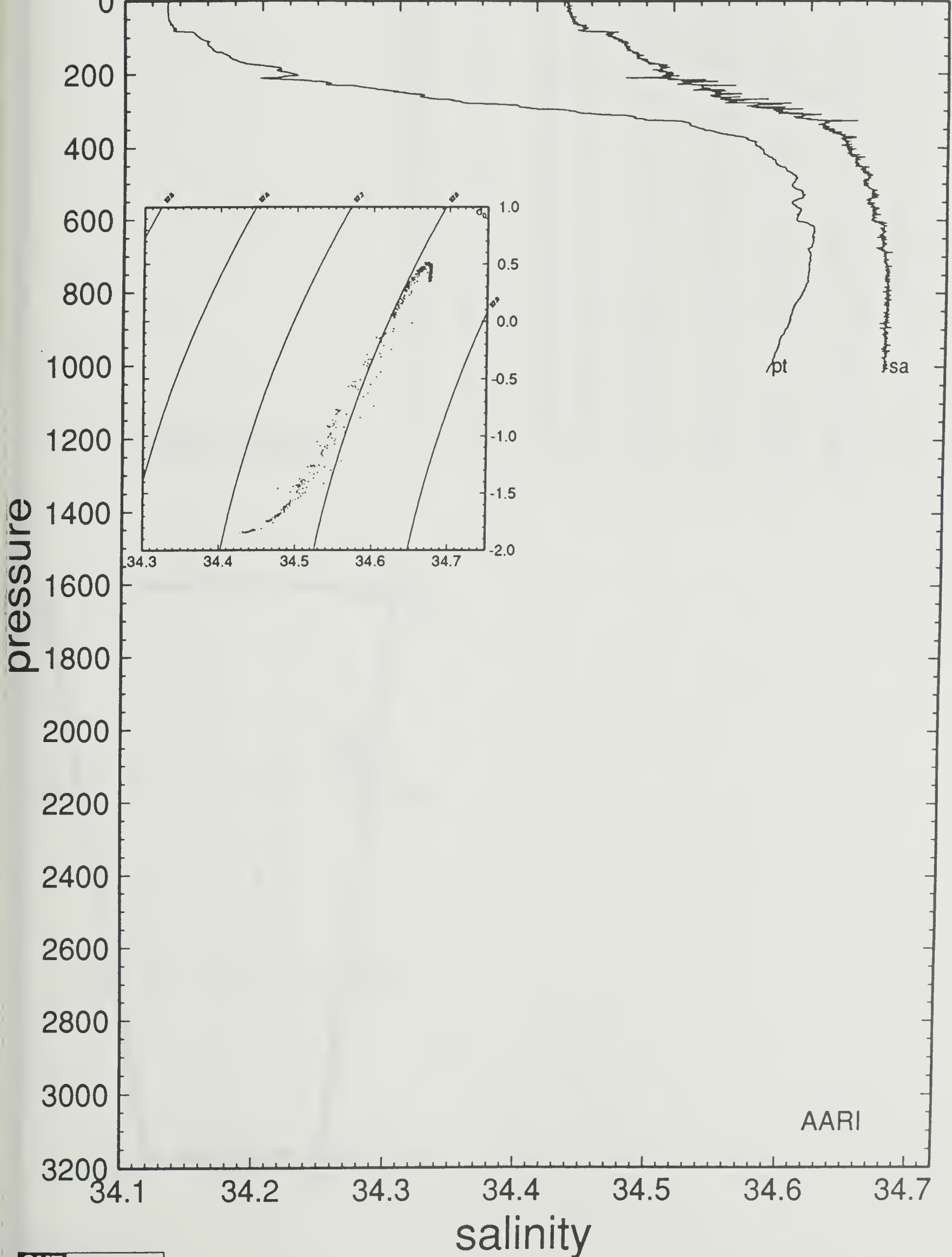
86

93/05/24 16:08

66 39.20 S 53 11.04 W

# potential temperature

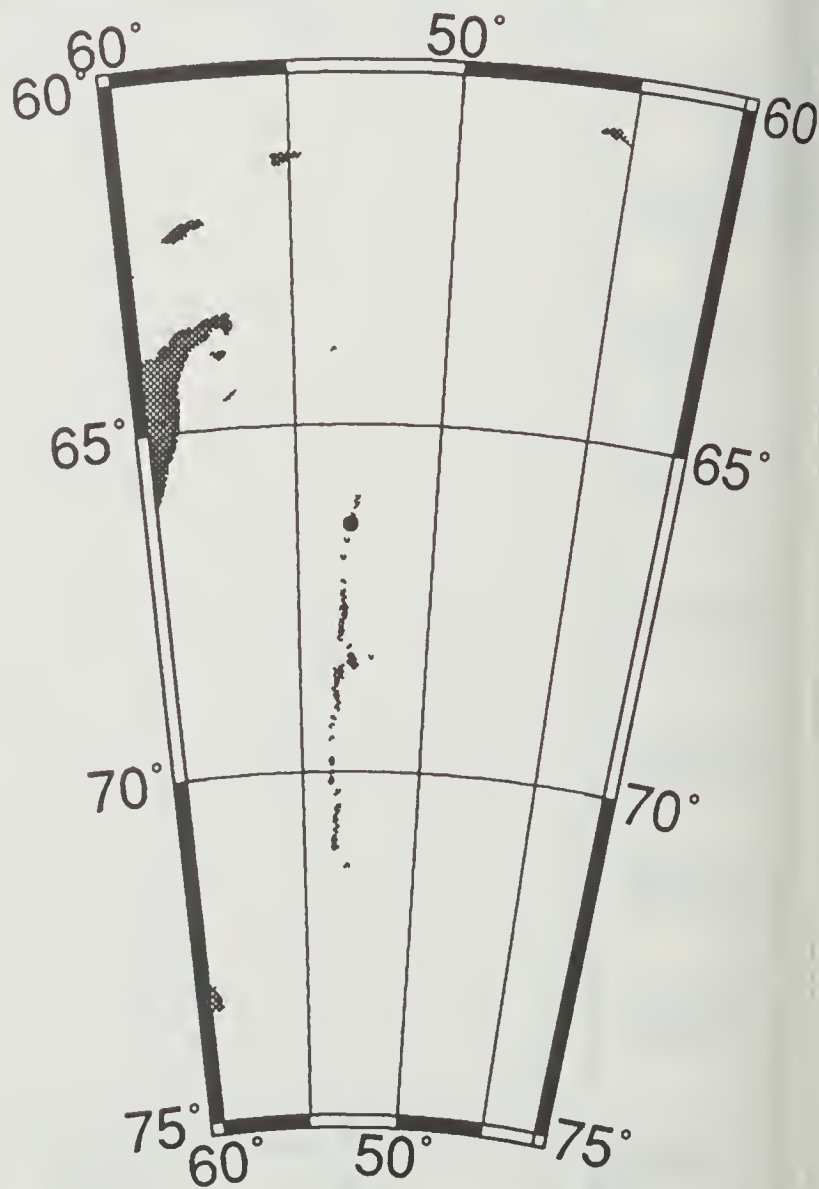
-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI

ISW-1	-66.4237 S	-53.068 W	93/05/25	146	15:39	RUSS CTD # 87					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.816	-1.816	34.416	27.707	32.476	37.138	0.00	37.8	14.7	4.2	
10	-1.844	-1.844	34.437	27.724	32.494	37.157	2.36	36.1	4.2	1.9	
20	-1.844	-1.844	34.435	27.723	32.493	37.155	-0.71	36.2	4.5	-1.5	
30	-1.844	-1.845	34.447	27.733	32.502	37.165	1.75	35.2	3.6	0.0	
40	-1.843	-1.844	34.449	27.734	32.504	37.166	0.71	35.0	0.7	3.2	
50	-1.843	-1.844	34.451	27.736	32.506	37.168	0.71	34.8	1.9	4.1	
60	-1.841	-1.842	34.454	27.738	32.508	37.170	0.86	34.5	5.1	-1.3	
70	-1.839	-1.840	34.453	27.737	32.507	37.169	-0.52	34.5	3.9	0.1	
80	-1.837	-1.839	34.455	27.739	32.509	37.171	0.70	34.3	4.0	-0.2	
90	-1.837	-1.839	34.456	27.740	32.509	37.171	0.51	34.2	2.8	5.9	
100	-1.725	-1.727	34.483	27.759	32.524	37.183	2.41	32.3	5.0	1.8	
110	-1.666	-1.668	34.486	27.759	32.523	37.180	0.42	32.2	5.0	3.3	
120	-1.660	-1.663	34.487	27.760	32.524	37.180	0.44	32.1	5.3	3.3	
130	-1.626	-1.629	34.492	27.763	32.526	37.181	0.96	31.8	4.6	3.7	
140	-1.562	-1.565	34.499	27.767	32.527	37.181	1.04	31.4	4.3	6.9	
150	-1.457	-1.461	34.509	27.772	32.529	37.179	1.17	30.9	4.7	4.8	
160	-1.420	-1.424	34.513	27.774	32.530	37.179	0.77	30.7	6.0	3.4	
170	-1.230	-1.234	34.534	27.784	32.534	37.177	1.73	29.8	5.8	2.7	
180	-1.127	-1.132	34.535	27.782	32.528	37.168	-1.04	30.1	-0.6	2.5	
190	-1.043	-1.048	34.543	27.785	32.529	37.166	0.95	29.8	6.5	3.5	
200	-0.866	-0.872	34.551	27.784	32.523	37.155	-0.69	29.9	7.8	5.4	
210	-0.745	-0.751	34.579	27.802	32.537	37.165	2.30	28.3	7.2	4.4	
220	-0.512	-0.519	34.593	27.803	32.531	37.152	-0.37	28.3	6.4	3.9	
230	-0.463	-0.471	34.584	27.794	32.520	37.139	-1.75	29.2	5.6	3.1	
240	-0.435	-0.443	34.599	27.805	32.530	37.148	1.82	28.2	5.3	1.7	
250	-0.317	-0.326	34.601	27.801	32.522	37.137	-1.23	28.6	3.8	1.4	
260	-0.277	-0.286	34.608	27.804	32.525	37.139	1.03	28.3	3.9	2.6	
270	-0.114	-0.124	34.614	27.801	32.516	37.126	-1.20	28.7	3.7	0.0	
280	-0.104	-0.114	34.622	27.807	32.522	37.131	1.36	28.1	4.6	0.8	
290	-0.001	-0.012	34.627	27.806	32.518	37.123	-0.82	28.3	6.5	-1.2	
300	0.062	0.050	34.640	27.813	32.523	37.127	1.44	27.7	7.0	-0.8	
325	0.214	0.201	34.649	27.812	32.517	37.117	-0.55	27.9	6.4	-0.7	
350	0.250	0.236	34.643	27.805	32.510	37.108	-0.94	28.6	7.2	0.5	
375	0.319	0.304	34.654	27.810	32.513	37.109	0.73	28.2	6.0	1.3	
400	0.365	0.348	34.659	27.812	32.513	37.108	0.34	28.2	6.5	0.6	
425	0.423	0.405	34.663	27.812	32.511	37.104	-0.31	28.2	7.0	1.5	
450	0.442	0.423	34.667	27.814	32.513	37.105	0.49	28.1	8.2	1.2	
475	0.464	0.443	34.670	27.815	32.513	37.105	0.34	28.0	7.9	1.1	
500	0.504	0.482	34.676	27.818	32.514	37.106	0.50	27.9	7.7	2.3	
550	0.508	0.484	34.674	27.816	32.513	37.104	-0.33	28.1	7.8	3.0	
600	0.522	0.495	34.677	27.818	32.514	37.105	0.31	28.0	7.0	3.8	
650	0.537	0.507	34.679	27.818	32.515	37.105	0.20	28.0	8.9	4.6	
700	0.536	0.504	34.683	27.822	32.518	37.109	0.47	27.8	9.8	5.6	
750	0.526	0.491	34.681	27.821	32.518	37.109	-0.19	27.9	8.7	5.5	
800	0.509	0.472	34.682	27.823	32.520	37.112	0.39	27.7	8.8	4.5	
850	0.793	0.751	34.518	27.674	32.364	36.949	-3.11	42.3	9.2	0.0	

AARI 087



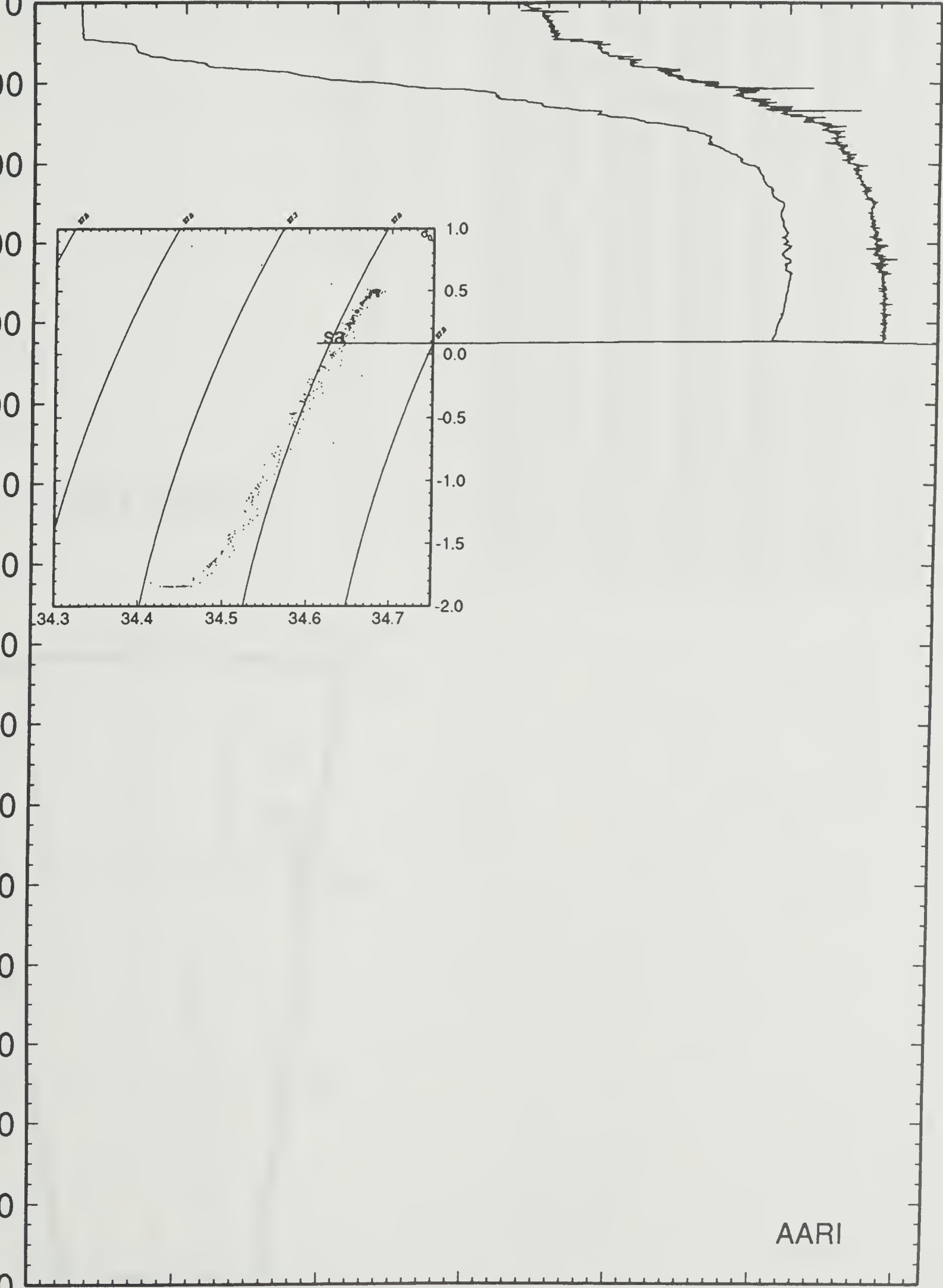
87

93/05/25 15:39

66 25.42 S 53 4.08 W

# potential temperature

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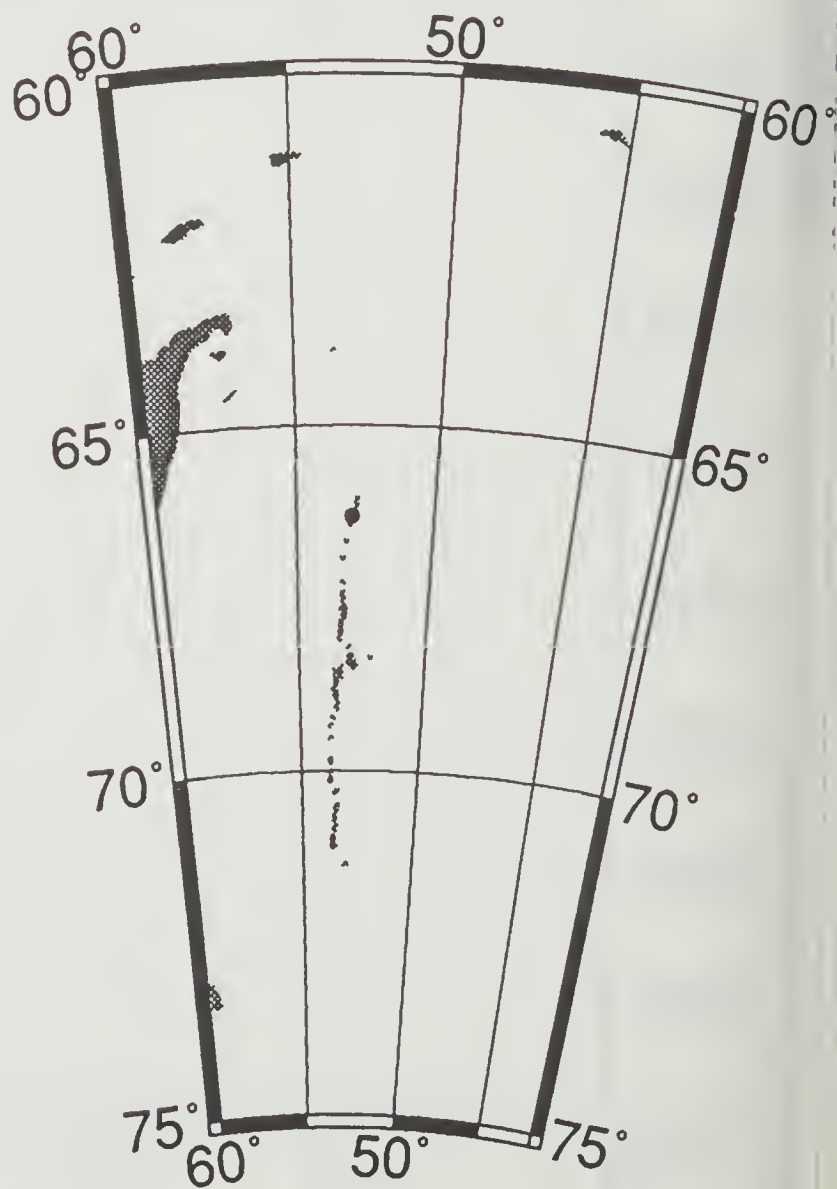
pressure

salinity

AARI

ISW-1	-66.3 S	-53.005 W	93/05/26	147	15:42	RUSS	CTD #	88			
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.805	-1.805	34.439	27.725	32.494	37.155	0.00	36.1	14.2	4.5	
10	-1.831	-1.831	34.443	27.729	32.498	37.160	1.11	35.6	6.8	6.6	
20	-1.830	-1.830	34.443	27.729	32.498	37.160	-0.08	35.6	5.2	3.9	
30	-1.831	-1.832	34.448	27.733	32.502	37.164	1.13	35.1	4.7	2.4	
40	-1.831	-1.832	34.446	27.731	32.501	37.163	-0.71	35.2	4.9	2.8	
50	-1.829	-1.830	34.448	27.733	32.502	37.164	0.70	35.0	5.2	3.2	
60	-1.830	-1.831	34.450	27.735	32.504	37.166	0.72	34.8	5.3	1.6	
70	-1.829	-1.830	34.442	27.728	32.498	37.160	-1.43	35.4	4.7	2.5	
80	-1.829	-1.831	34.448	27.733	32.502	37.164	1.24	34.8	5.8	2.7	
90	-1.829	-1.831	34.445	27.731	32.500	37.162	-0.87	35.0	5.4	1.5	
100	-1.820	-1.822	34.449	27.734	32.503	37.164	0.97	34.7	4.9	2.3	
110	-1.806	-1.808	34.455	27.738	32.507	37.168	1.18	34.2	4.7	3.8	
120	-1.737	-1.740	34.473	27.751	32.517	37.176	1.98	33.0	4.4	4.5	
130	-1.697	-1.700	34.480	27.755	32.520	37.178	1.17	32.5	5.9	4.9	
140	-1.671	-1.674	34.485	27.759	32.523	37.180	1.00	32.1	6.9	6.0	
150	-1.644	-1.647	34.487	27.760	32.523	37.179	0.47	32.0	7.4	5.8	
160	-1.605	-1.609	34.488	27.759	32.521	37.176	-0.41	32.0	7.5	6.9	
170	-1.535	-1.539	34.507	27.773	32.532	37.185	2.01	30.7	8.4	7.3	
180	-1.391	-1.395	34.506	27.767	32.522	37.170	-1.39	31.3	9.1	7.7	
190	-1.306	-1.311	34.517	27.773	32.526	37.171	1.32	30.7	9.5	7.1	
200	-1.251	-1.256	34.518	27.772	32.523	37.167	-0.67	30.8	8.9	8.3	
210	-1.125	-1.131	34.529	27.777	32.523	37.163	1.06	30.4	9.9	8.4	
220	-0.993	-0.999	34.539	27.780	32.522	37.158	0.84	30.2	9.7	8.4	
230	-1.062	-1.068	34.548	27.790	32.534	37.172	1.80	29.2	10.0	8.2	
240	-0.672	-0.680	34.604	27.819	32.551	37.177	2.89	26.6	9.2	6.8	
250	-0.420	-0.428	34.609	27.812	32.537	37.155	-1.70	27.5	7.9	6.0	
260	-0.240	-0.249	34.612	27.806	32.525	37.138	-1.54	28.2	6.9	4.2	
270	-0.172	-0.182	34.615	27.805	32.522	37.133	-0.68	28.3	6.8	4.4	
280	-0.089	-0.099	34.613	27.799	32.514	37.122	-1.42	28.9	6.1	2.4	
290	-0.068	-0.079	34.618	27.802	32.516	37.124	0.93	28.6	7.2	2.5	
300	0.007	-0.004	34.631	27.809	32.520	37.126	1.36	28.1	6.5	2.1	
325	0.050	0.037	34.627	27.803	32.514	37.118	-0.85	28.6	6.9	1.8	
350	0.138	0.124	34.631	27.802	32.509	37.111	-0.54	28.8	6.1	2.1	
375	0.261	0.246	34.644	27.805	32.510	37.108	0.55	28.6	5.6	2.4	
400	0.338	0.321	34.652	27.808	32.509	37.105	0.40	28.5	6.3	1.6	
425	0.366	0.348	34.656	27.809	32.510	37.105	0.41	28.4	4.9	2.6	
450	0.395	0.376	34.660	27.811	32.511	37.105	0.39	28.3	6.2	3.1	
475	0.460	0.439	34.665	27.811	32.509	37.102	-0.27	28.4	5.2	2.8	
500	0.474	0.452	34.668	27.813	32.511	37.103	0.43	28.3	5.9	3.2	
550	0.479	0.455	34.670	27.814	32.512	37.104	0.30	28.2	6.2	3.5	
600	0.483	0.456	34.671	27.815	32.513	37.105	0.21	28.2	7.8	4.2	
650	0.510	0.481	34.676	27.818	32.515	37.106	0.36	28.0	7.7	5.4	
700	0.522	0.490	34.677	27.818	32.515	37.106	0.06	28.1	5.2	6.6	
750	0.521	0.486	34.681	27.821	32.518	37.109	0.47	27.8	5.6	6.7	
800	0.513	0.476	34.679	27.820	32.517	37.109	-0.21	28.0	6.3	6.9	
850	0.503	0.463	34.682	27.824	32.521	37.113	0.46	27.7	5.9	7.0	
900	0.475	0.432	34.680	27.824	32.522	37.115	0.25	27.7	7.4	6.1	
950	0.444	0.399	34.682	27.827	32.527	37.120	0.53	27.3	7.6	6.0	
1000	0.413	0.365	34.679	27.827	32.527	37.122	0.18	27.3	8.7	6.9	

AARI 088





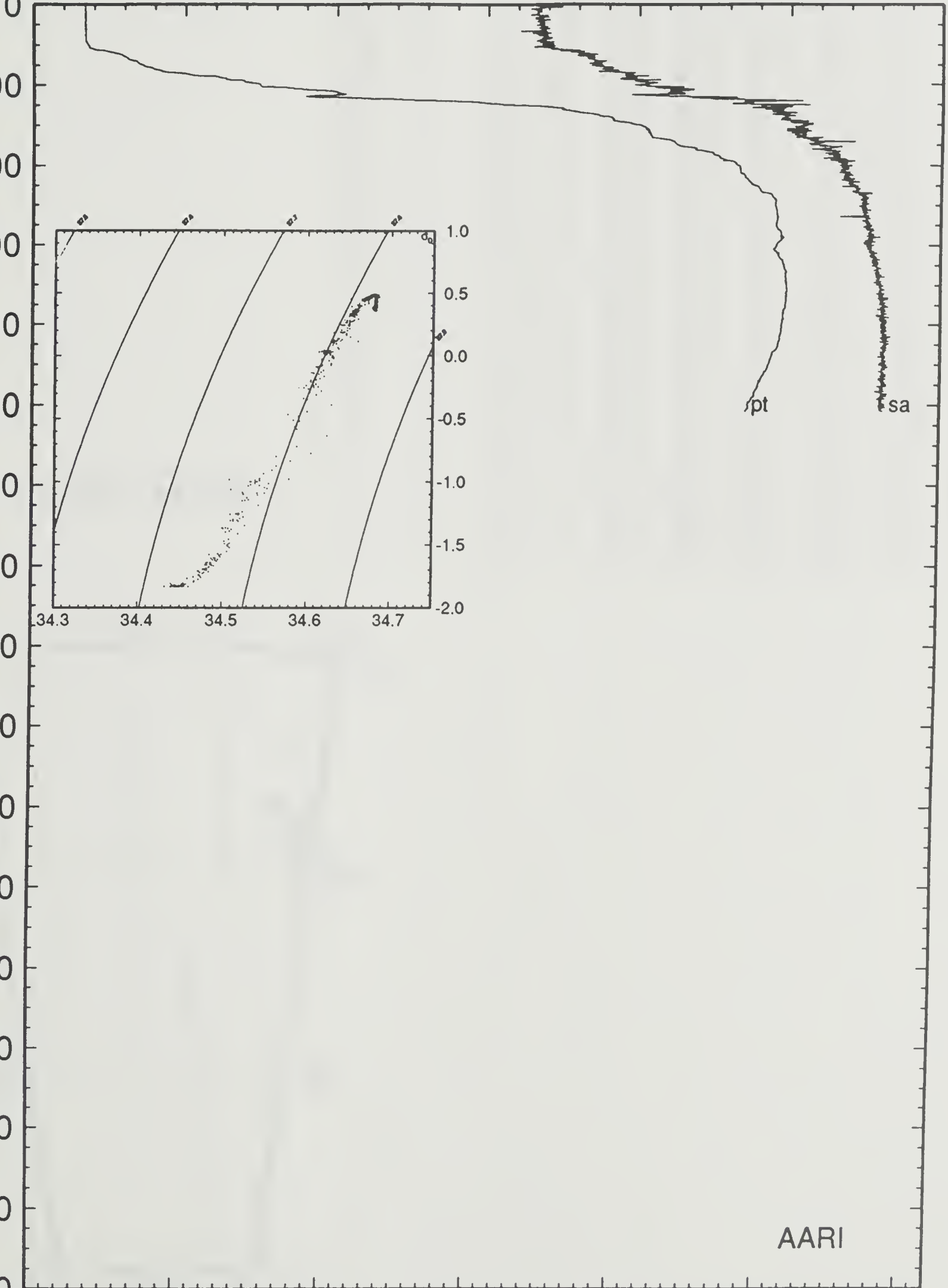
88

93/05/26 15:42

66 18.00 S 53 0.30 W

# potential temperature

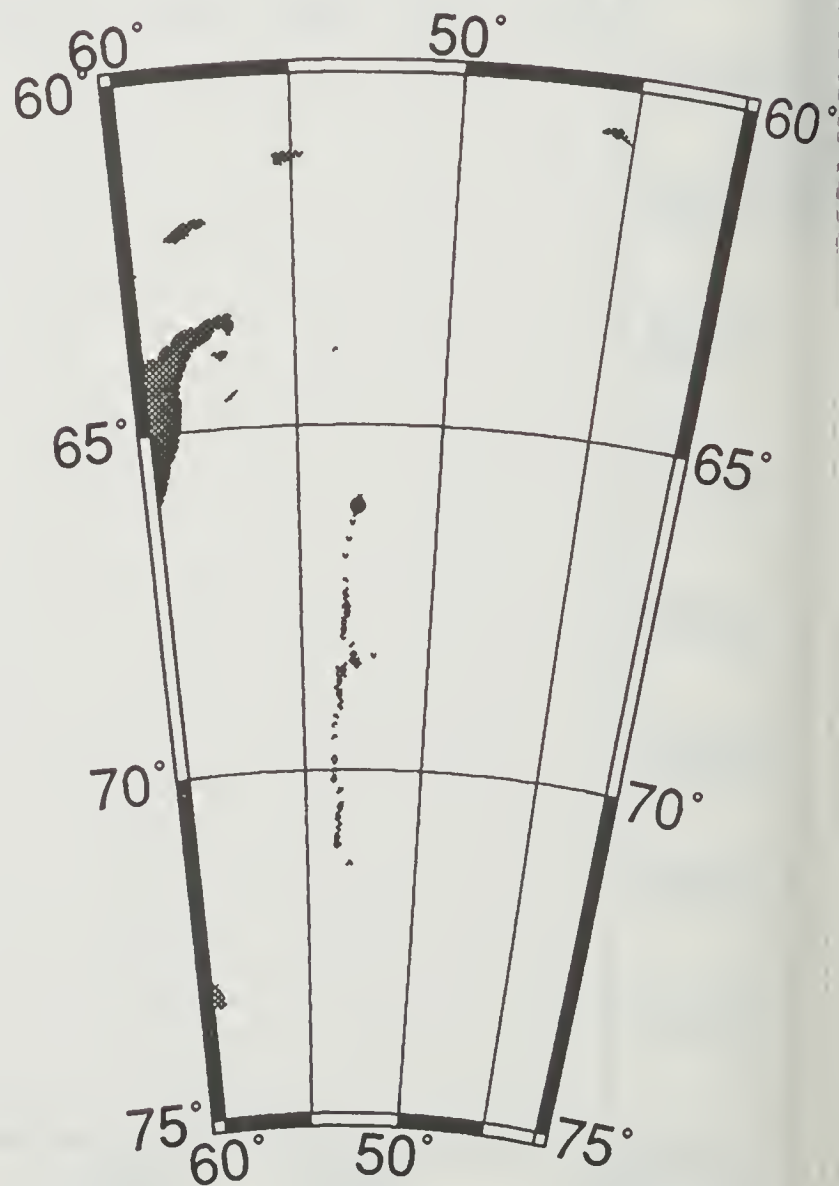
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AARI

ISW-1	-66.1758 S	-52.8838 W	93/05/27	148	16:31	RUSS CTD # 89					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.625	-1.625	34.327	27.629	32.393	37.050	0.00	45.2	12.7	6.0	
10	-1.843	-1.843	34.455	27.739	32.509	37.171	5.87	34.7	10.7	9.1	
20	-1.843	-1.843	34.456	27.740	32.510	37.172	0.51	34.6	9.7	8.9	
30	-1.843	-1.844	34.458	27.742	32.511	37.173	0.71	34.3	9.3	7.9	
40	-1.842	-1.843	34.459	27.742	32.512	37.174	0.50	34.2	9.9	8.1	
50	-1.842	-1.843	34.460	27.743	32.513	37.175	0.51	34.1	9.4	7.9	
60	-1.843	-1.844	34.461	27.744	32.514	37.176	0.51	33.9	9.8	7.9	
70	-1.843	-1.844	34.461	27.744	32.514	37.176	0.04	33.9	9.2	8.0	
80	-1.843	-1.845	34.463	27.746	32.515	37.178	0.71	33.7	9.8	8.2	
90	-1.844	-1.846	34.463	27.746	32.515	37.178	0.10	33.6	8.8	7.3	
100	-1.844	-1.846	34.464	27.747	32.516	37.178	0.51	33.5	8.8	7.9	
110	-1.843	-1.845	34.464	27.746	32.516	37.178	-0.09	33.4	8.9	7.8	
120	-1.775	-1.777	34.482	27.759	32.527	37.187	1.98	32.2	9.1	8.2	
130	-1.741	-1.744	34.489	27.764	32.530	37.189	1.20	31.7	9.3	8.6	
140	-1.721	-1.724	34.493	27.767	32.532	37.191	0.90	31.4	8.2	9.5	
150	-1.699	-1.702	34.497	27.769	32.534	37.192	0.89	31.1	9.2	9.4	
160	-1.692	-1.695	34.498	27.770	32.535	37.192	0.43	31.0	8.5	8.3	
170	-1.656	-1.660	34.512	27.780	32.544	37.200	1.78	29.9	9.3	8.1	
180	-1.618	-1.622	34.508	27.776	32.538	37.193	-1.20	30.3	9.1	7.3	
190	-1.565	-1.569	34.516	27.781	32.541	37.195	1.20	29.8	9.0	6.9	
200	-1.449	-1.454	34.526	27.785	32.542	37.192	1.08	29.4	10.1	7.7	
210	-1.432	-1.437	34.525	27.784	32.540	37.189	-0.68	29.5	10.2	6.9	
220	-1.374	-1.380	34.531	27.787	32.541	37.189	0.90	29.2	10.7	7.6	
230	-1.050	-1.056	34.557	27.797	32.541	37.178	1.50	28.5	12.3	6.1	
240	-0.854	-0.861	34.575	27.803	32.541	37.173	1.30	28.0	11.8	5.5	
250	-0.720	-0.728	34.581	27.803	32.537	37.164	-0.74	28.1	11.8	5.1	
260	-0.624	-0.632	34.584	27.801	32.532	37.156	-0.88	28.3	10.9	4.9	
270	-0.420	-0.429	34.615	27.817	32.541	37.160	2.10	27.0	10.7	6.0	
280	-0.363	-0.373	34.605	27.806	32.529	37.146	-1.87	28.0	10.9	7.0	
290	-0.292	-0.302	34.616	27.812	32.532	37.147	1.23	27.5	11.2	7.7	
300	-0.042	-0.053	34.650	27.827	32.539	37.146	1.99	26.3	10.6	8.6	
325	0.186	0.173	34.654	27.818	32.524	37.124	-1.18	27.4	12.3	8.7	
350	0.230	0.216	34.666	27.825	32.530	37.129	0.92	26.7	12.6	0.1	
375	0.234	0.219	34.659	27.819	32.524	37.123	-0.85	27.3	9.8	0.1	
400	0.271	0.255	34.661	27.819	32.522	37.120	-0.32	27.4	7.7	2.9	
425	0.283	0.265	34.664	27.820	32.524	37.121	0.46	27.3	8.1	5.4	
450	0.349	0.330	34.674	27.825	32.526	37.122	0.66	26.9	7.8	4.6	
475	0.405	0.385	34.674	27.822	32.521	37.115	-0.70	27.3	7.6	5.0	
500	0.415	0.393	34.674	27.821	32.521	37.114	-0.28	27.4	7.4	3.0	
550	0.458	0.434	34.679	27.823	32.521	37.114	0.25	27.4	6.8	4.8	
600	0.479	0.452	34.681	27.823	32.521	37.113	0.11	27.4	6.8	4.4	
650	0.485	0.456	34.683	27.825	32.522	37.114	0.29	27.3	6.3	4.4	
700	0.511	0.479	34.687	27.827	32.523	37.115	0.29	27.3	7.6	2.5	
750	0.544	0.509	34.690	27.827	32.523	37.114	-0.05	27.3	8.2	3.4	
800	0.540	0.502	34.693	27.830	32.526	37.117	0.43	27.1	9.7	3.1	
850	0.528	0.488	34.702	27.838	32.535	37.125	0.72	26.4	8.8	3.1	
900	0.517	0.474	34.694	27.833	32.529	37.121	-0.57	27.0	9.2	3.3	
950	0.495	0.450	34.693	27.833	32.531	37.123	0.29	26.9	10.1	3.0	
1000	0.429	0.381	34.690	27.835	32.535	37.128	0.47	26.6	12.3	3.6	

AARI 089



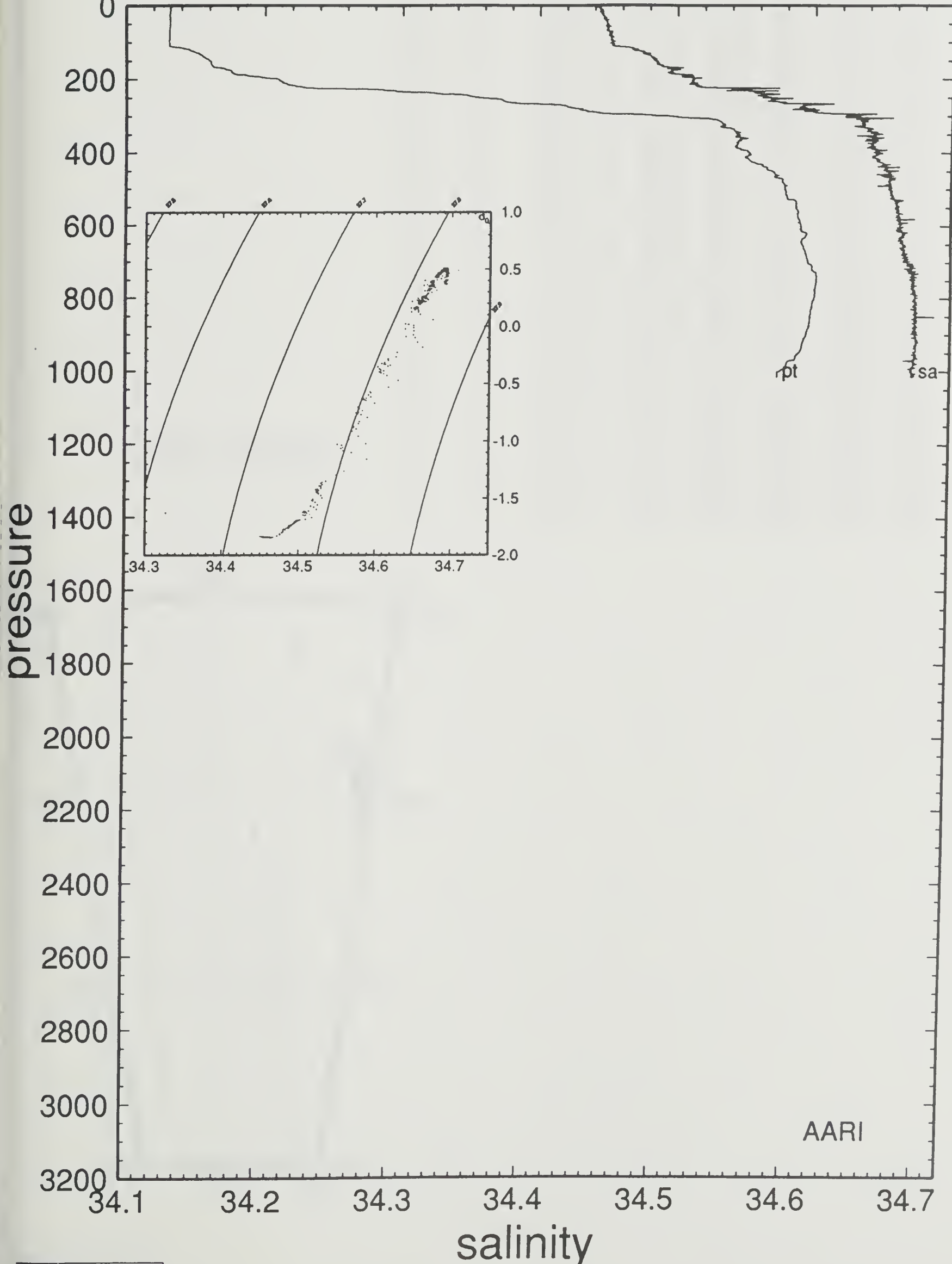
89

93/05/27 16:31

66 10.55 S 52 53.03 W

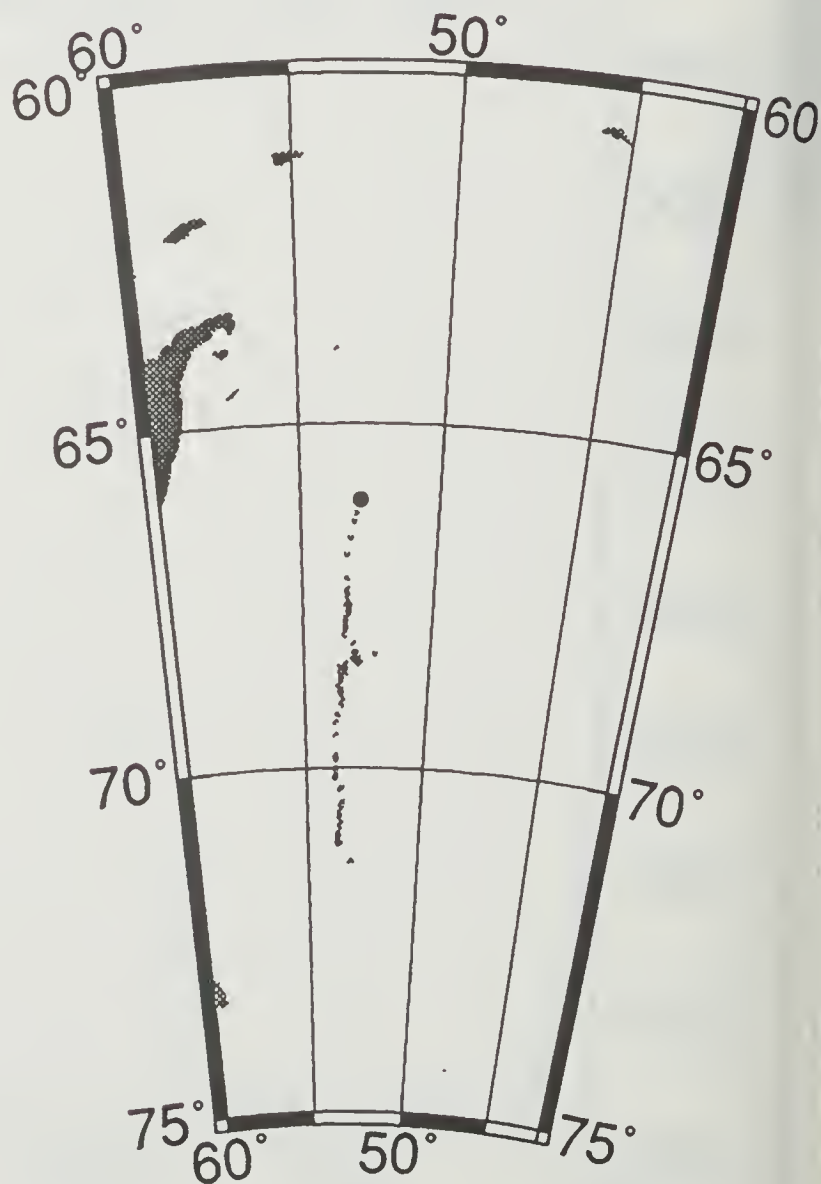
# potential temperature

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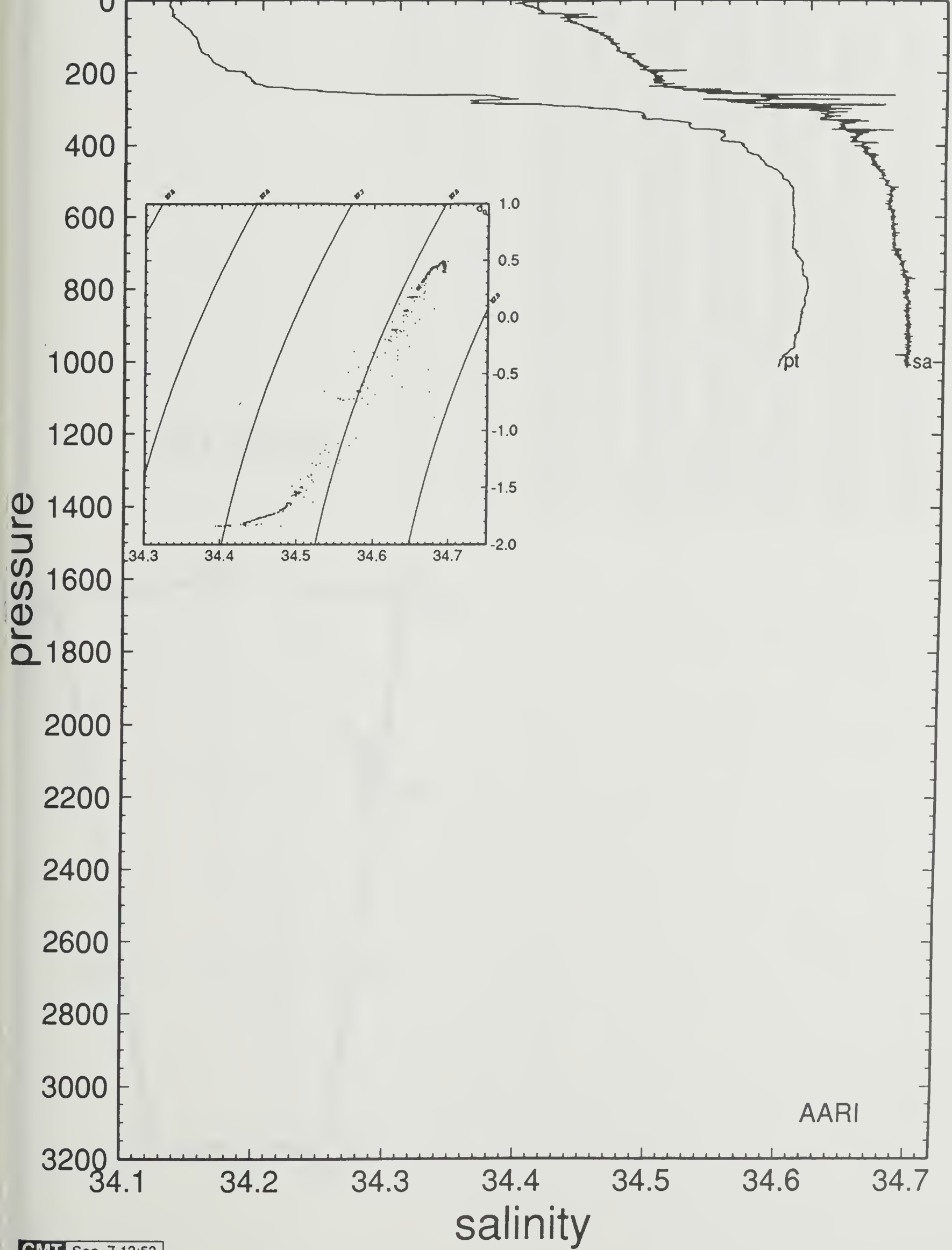
ISW-1	-66.1045 S	-52.8403 W	93/05/28	149	15:56	RUSS CTD #90					
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.836	-1.836	34.398	27.693	32.463	37.125	0.00	39.2	7.4	-1.5	
10	-1.839	-1.839	34.394	27.689	32.459	37.122	-1.00	39.4	7.4	3.4	
20	-1.839	-1.839	34.405	27.698	32.468	37.131	1.67	38.5	9.1	4.0	
30	-1.830	-1.831	34.411	27.703	32.473	37.135	1.21	38.0	10.7	4.0	
40	-1.827	-1.828	34.447	27.732	32.501	37.163	3.02	35.2	10.5	3.6	
50	-1.821	-1.822	34.428	27.717	32.486	37.148	-2.21	36.6	12.0	3.4	
60	-1.807	-1.808	34.432	27.719	32.488	37.150	0.95	36.3	9.8	5.9	
70	-1.787	-1.788	34.444	27.729	32.497	37.157	1.69	35.3	8.6	6.8	
80	-1.770	-1.772	34.450	27.733	32.501	37.161	1.17	34.9	6.8	7.1	
90	-1.761	-1.763	34.454	27.736	32.503	37.163	0.97	34.5	5.3	8.3	
100	-1.750	-1.752	34.460	27.741	32.507	37.167	1.19	34.0	4.7	7.7	
110	-1.739	-1.741	34.466	27.745	32.512	37.171	1.19	33.5	3.6	8.4	
120	-1.735	-1.738	34.468	27.747	32.513	37.172	0.69	33.3	2.8	7.0	
130	-1.731	-1.734	34.469	27.748	32.514	37.172	0.46	33.2	3.4	6.8	
140	-1.724	-1.727	34.470	27.748	32.514	37.173	0.43	33.1	3.7	7.0	
150	-1.710	-1.713	34.481	27.757	32.522	37.180	1.63	32.3	3.9	6.0	
160	-1.690	-1.693	34.479	27.754	32.519	37.177	-0.85	32.4	5.3	5.7	
170	-1.680	-1.684	34.483	27.757	32.522	37.179	0.95	32.1	6.4	6.0	
180	-1.657	-1.661	34.487	27.760	32.524	37.180	0.88	31.8	6.5	5.9	
190	-1.633	-1.637	34.490	27.762	32.525	37.180	0.71	31.6	7.1	6.5	
200	-1.573	-1.578	34.499	27.767	32.528	37.182	1.27	31.1	8.2	8.8	
210	-1.559	-1.564	34.498	27.766	32.527	37.180	-0.64	31.1	8.8	8.6	
220	-1.540	-1.545	34.499	27.766	32.526	37.179	0.18	31.1	9.4	9.2	
230	-1.529	-1.534	34.499	27.766	32.526	37.178	-0.36	31.1	9.9	9.8	
240	-1.464	-1.470	34.508	27.771	32.529	37.179	1.22	30.6	11.6	10.2	
250	-1.282	-1.289	34.527	27.781	32.532	37.177	1.58	29.8	11.8	9.6	
260	-1.103	-1.110	34.546	27.790	32.536	37.175	1.54	29.0	12.6	9.8	
270	-0.618	-0.627	34.591	27.806	32.537	37.161	1.99	27.8	11.0	10.9	
280	-0.710	-0.719	34.584	27.805	32.538	37.165	-0.52	27.9	12.4	9.4	
290	-0.469	-0.479	34.602	27.809	32.535	37.155	0.74	27.7	8.9	8.4	
300	-0.289	-0.300	34.619	27.814	32.534	37.149	1.06	27.3	7.3	10.6	
325	-0.096	-0.108	34.628	27.812	32.526	37.135	-0.72	27.7	5.7	8.8	
350	0.069	0.055	34.641	27.814	32.523	37.127	0.16	27.7	7.4	7.7	
375	0.201	0.186	34.654	27.817	32.523	37.123	0.49	27.5	6.9	7.5	
400	0.271	0.255	34.657	27.815	32.519	37.117	-0.53	27.7	6.2	7.4	
425	0.296	0.278	34.664	27.820	32.523	37.120	0.71	27.3	6.1	7.3	
450	0.350	0.331	34.665	27.818	32.519	37.115	-0.60	27.6	6.5	8.2	
475	0.405	0.385	34.669	27.818	32.517	37.111	-0.28	27.7	7.6	7.0	
500	0.438	0.416	34.675	27.821	32.519	37.113	0.56	27.5	7.0	6.5	
550	0.463	0.439	34.677	27.821	32.519	37.112	-0.06	27.5	5.3	6.7	
600	0.471	0.444	34.679	27.822	32.520	37.112	0.27	27.5	2.6	7.6	
650	0.472	0.443	34.680	27.823	32.521	37.113	0.24	27.5	0.3	8.4	
700	0.483	0.451	34.682	27.824	32.522	37.114	0.24	27.4	5.4	11.7	
750	0.512	0.477	34.690	27.829	32.526	37.117	0.52	27.1	2.1	8.6	
800	0.534	0.497	34.691	27.829	32.525	37.116	-0.22	27.2	4.0	8.8	
850	0.523	0.483	34.692	27.830	32.527	37.118	0.35	27.1	20.1	-21.9	
900	0.511	0.468	34.692	27.831	32.528	37.120	0.28	27.1	23.7	-6.0	
950	0.496	0.451	34.693	27.833	32.531	37.123	0.38	26.9	9.7	-2.7	
1000	0.446	0.398	34.691	27.835	32.534	37.127	0.43	26.7	7.5	0.2	

AARI 090



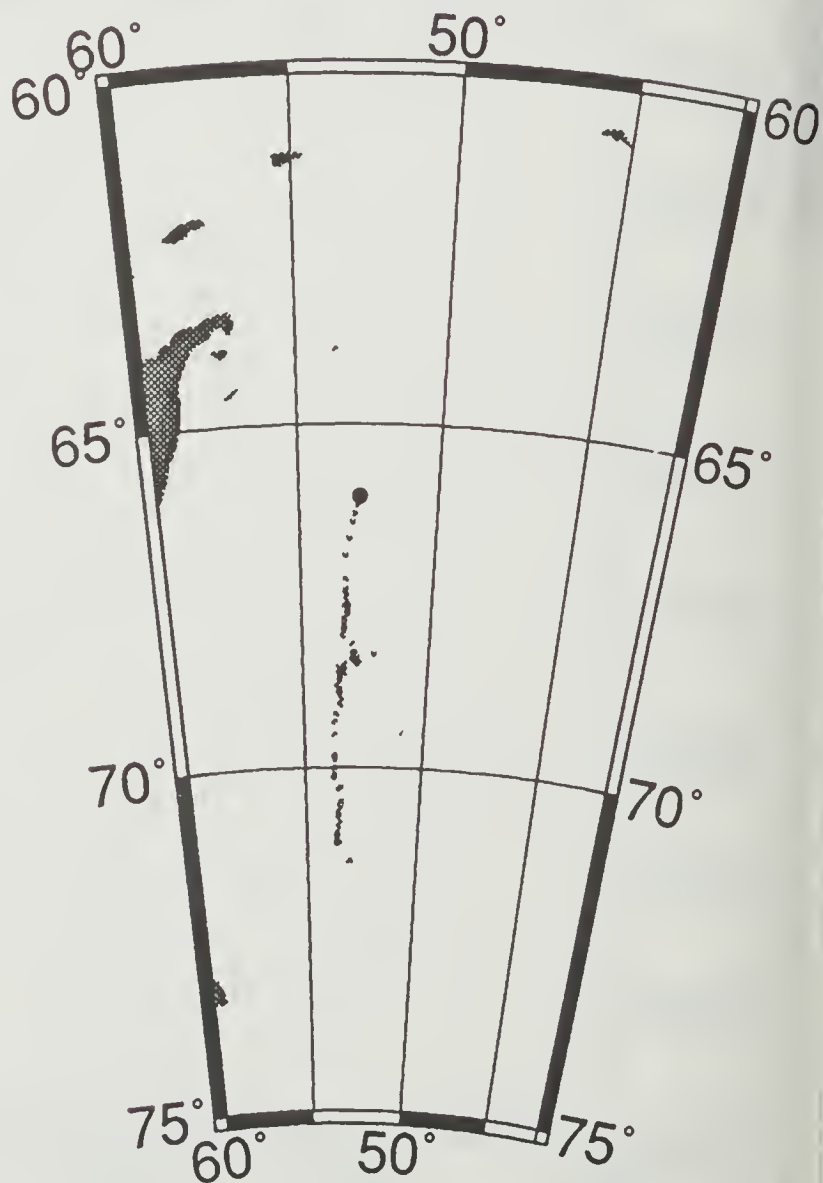
# potential temperature

-2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0



ISW-1	-66.043 S	-52.8022 W	93/05/29	150	17:09	RUSS CTD	#91				
PRES	TEMPER	POTTEM	SLINTY	SGMA-0	SGMA-1	SGMA-2	BR-VA	ANOMA	U-VEL	V-VEL	
0	-1.842	-1.842	34.423	27.713	32.483	37.146	0.00	37.2	3.7	1.5	
10	-1.855	-1.855	34.405	27.699	32.469	37.132	-2.12	38.5	3.9	4.5	
20	-1.855	-1.855	34.415	27.707	32.477	37.140	1.60	37.7	5.3	9.7	
30	-1.855	-1.856	34.414	27.706	32.477	37.140	-0.50	37.7	4.9	8.8	
40	-1.853	-1.854	34.424	27.714	32.484	37.147	1.59	36.9	5.0	5.8	
50	-1.851	-1.852	34.422	27.712	32.483	37.146	-0.72	37.0	5.8	9.2	
60	-1.836	-1.837	34.430	27.719	32.488	37.151	1.38	36.3	8.4	8.4	
70	-1.791	-1.792	34.448	27.732	32.500	37.161	2.04	35.0	6.7	5.9	
80	-1.779	-1.781	34.452	27.735	32.503	37.163	0.95	34.7	3.0	6.8	
90	-1.767	-1.769	34.455	27.737	32.504	37.164	0.81	34.4	3.3	6.6	
100	-1.734	-1.736	34.468	27.747	32.513	37.172	1.73	33.5	5.3	7.0	
110	-1.729	-1.731	34.470	27.748	32.514	37.173	0.68	33.3	6.6	5.1	
120	-1.723	-1.726	34.474	27.751	32.517	37.176	0.98	32.9	7.2	4.1	
130	-1.696	-1.699	34.478	27.754	32.519	37.176	0.86	32.6	6.2	4.6	
140	-1.660	-1.663	34.482	27.756	32.520	37.176	0.80	32.4	5.8	4.3	
150	-1.622	-1.625	34.488	27.760	32.522	37.178	1.06	32.0	7.5	2.3	
160	-1.574	-1.578	34.492	27.762	32.523	37.176	0.70	31.8	7.5	4.7	
170	-1.533	-1.537	34.494	27.762	32.522	37.174	0.22	31.7	4.9	4.4	
180	-1.506	-1.510	34.498	27.764	32.523	37.175	0.84	31.5	6.4	5.7	
190	-1.487	-1.492	34.507	27.771	32.529	37.180	1.44	30.8	5.5	4.2	
200	-1.452	-1.457	34.498	27.763	32.520	37.170	-1.64	31.6	6.2	5.3	
210	-1.397	-1.402	34.507	27.768	32.524	37.172	1.27	31.0	7.0	4.4	
220	-1.323	-1.329	34.522	27.778	32.531	37.177	1.69	30.1	4.7	4.7	
230	-1.223	-1.229	34.523	27.775	32.525	37.168	-1.02	30.4	6.1	2.5	
240	-1.079	-1.086	34.540	27.784	32.529	37.167	1.53	29.7	7.2	3.3	
250	-0.870	-0.877	34.577	27.806	32.544	37.176	2.51	27.7	7.2	4.7	
260	-0.667	-0.675	34.567	27.789	32.522	37.147	-2.38	29.4	5.6	4.5	
270	-0.540	-0.549	34.580	27.794	32.522	37.144	1.10	29.0	5.9	5.6	
280	-0.408	-0.418	34.586	27.793	32.517	37.135	-0.85	29.2	5.3	5.6	
290	-0.289	-0.299	34.599	27.798	32.518	37.133	1.09	28.9	4.6	4.9	
300	-0.152	-0.163	34.611	27.801	32.517	37.128	0.73	28.7	4.6	5.1	
325	0.035	0.023	34.628	27.805	32.516	37.120	0.54	28.5	4.7	5.5	
350	0.135	0.121	34.634	27.804	32.512	37.114	-0.43	28.6	3.7	3.9	
375	0.212	0.197	34.639	27.804	32.510	37.109	-0.35	28.7	3.1	2.3	
400	0.386	0.369	34.662	27.813	32.513	37.108	0.92	28.1	4.2	1.7	
425	0.436	0.418	34.665	27.813	32.511	37.104	-0.36	28.2	3.6	0.8	
450	0.465	0.446	34.670	27.815	32.513	37.105	0.50	28.0	3.9	0.3	
475	0.483	0.462	34.673	27.816	32.514	37.106	0.39	27.9	4.5	2.1	
500	0.502	0.480	34.675	27.817	32.514	37.105	0.19	27.9	4.8	2.0	
550	0.563	0.538	34.682	27.819	32.514	37.104	0.28	27.9	5.2	3.4	
600	0.587	0.560	34.686	27.821	32.515	37.104	0.31	27.8	4.5	3.4	
650	0.582	0.552	34.686	27.821	32.516	37.105	0.19	27.8	3.3	2.8	
700	0.577	0.545	34.689	27.824	32.519	37.109	0.43	27.6	3.1	2.9	
750	0.559	0.524	34.688	27.825	32.520	37.110	0.23	27.6	1.7	2.1	
800	0.553	0.515	34.688	27.825	32.521	37.111	0.21	27.6	4.0	2.0	
850	0.522	0.482	34.684	27.824	32.521	37.112	-0.15	27.7	3.7	-0.6	
900	0.473	0.430	34.685	27.828	32.526	37.119	0.57	27.3	3.8	-0.3	
950	0.439	0.394	34.684	27.829	32.529	37.122	0.38	27.1	3.1	0.6	
1000	0.382	0.335	34.688	27.836	32.537	37.132	0.72	26.4	3.3	4.1	

AARI 091



91

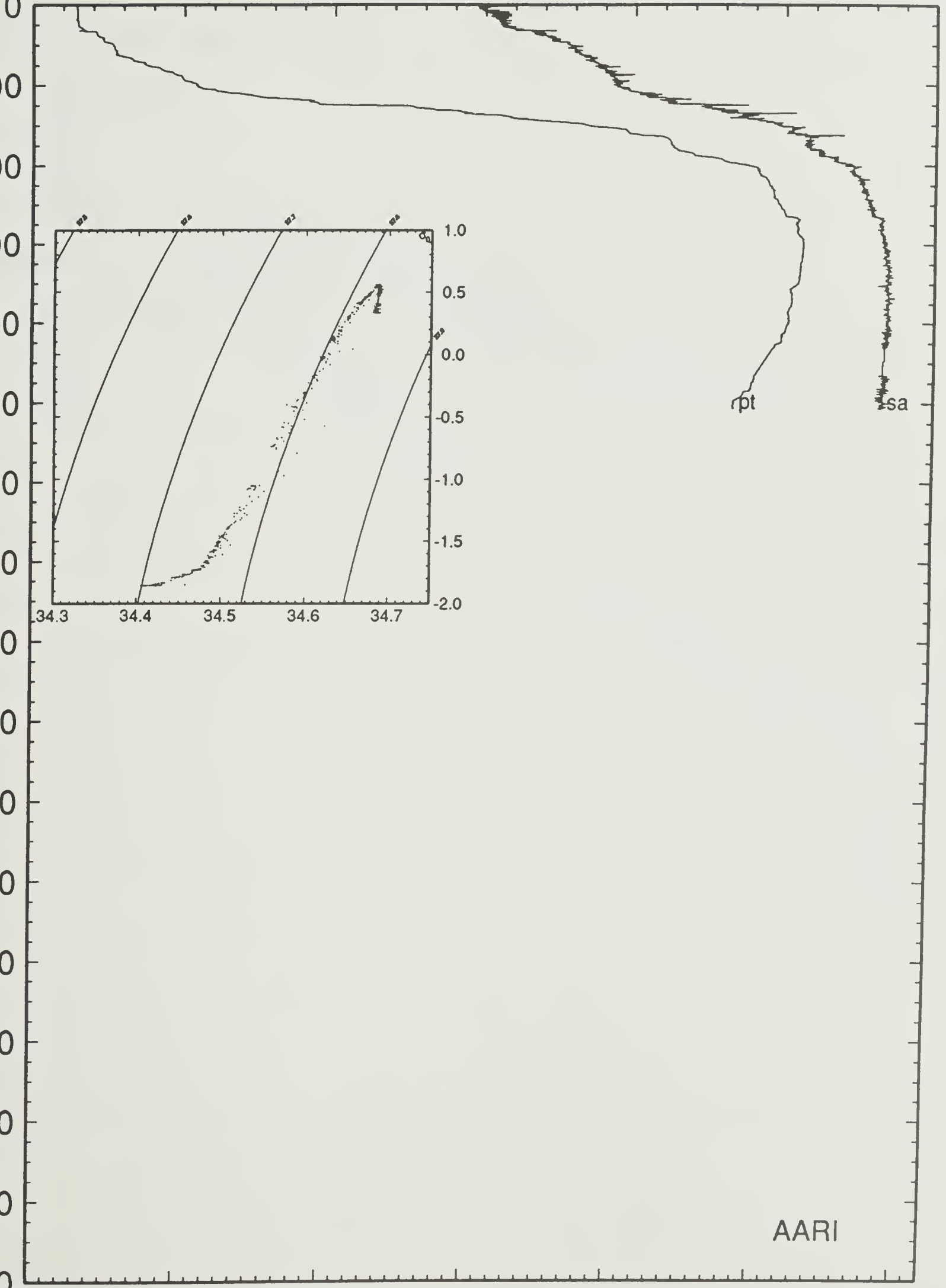
93/05/29 17:09

66 2.58 S 52 48.13 W

AARI

# potential temperature

-2.0      -1.5      -1.0      -0.5      0.0      0.5      1.0



AARI





## Property-Property Distributions

### Potential Temperature - Salinity

ISW-1 All Stations

AQ92

Camp

Helo

NBP92-1

NBP92-2

### Potential Temperature - Dissolved Oxygen

ISW-1 All Stations

AQ92

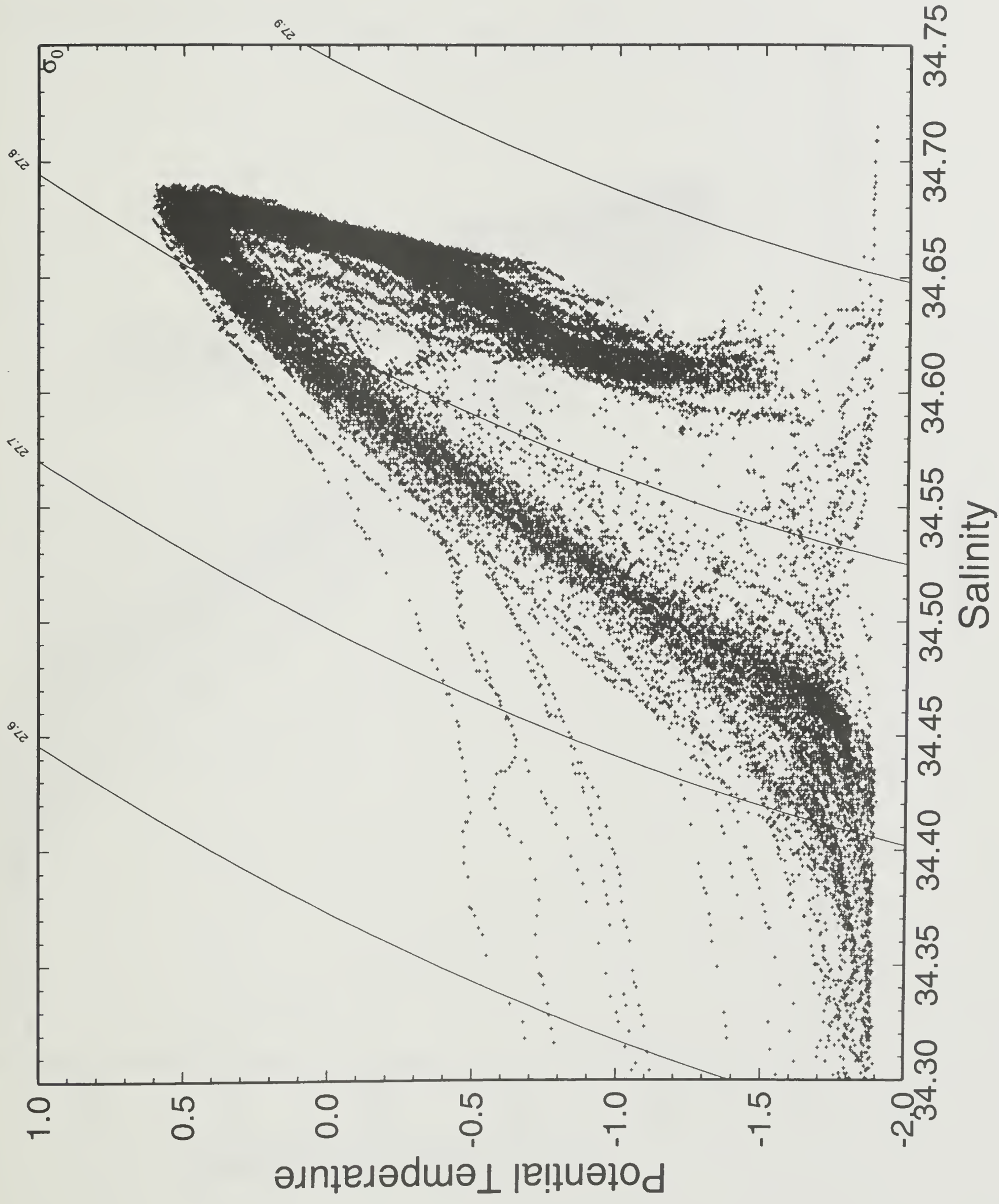
Camp

Helo

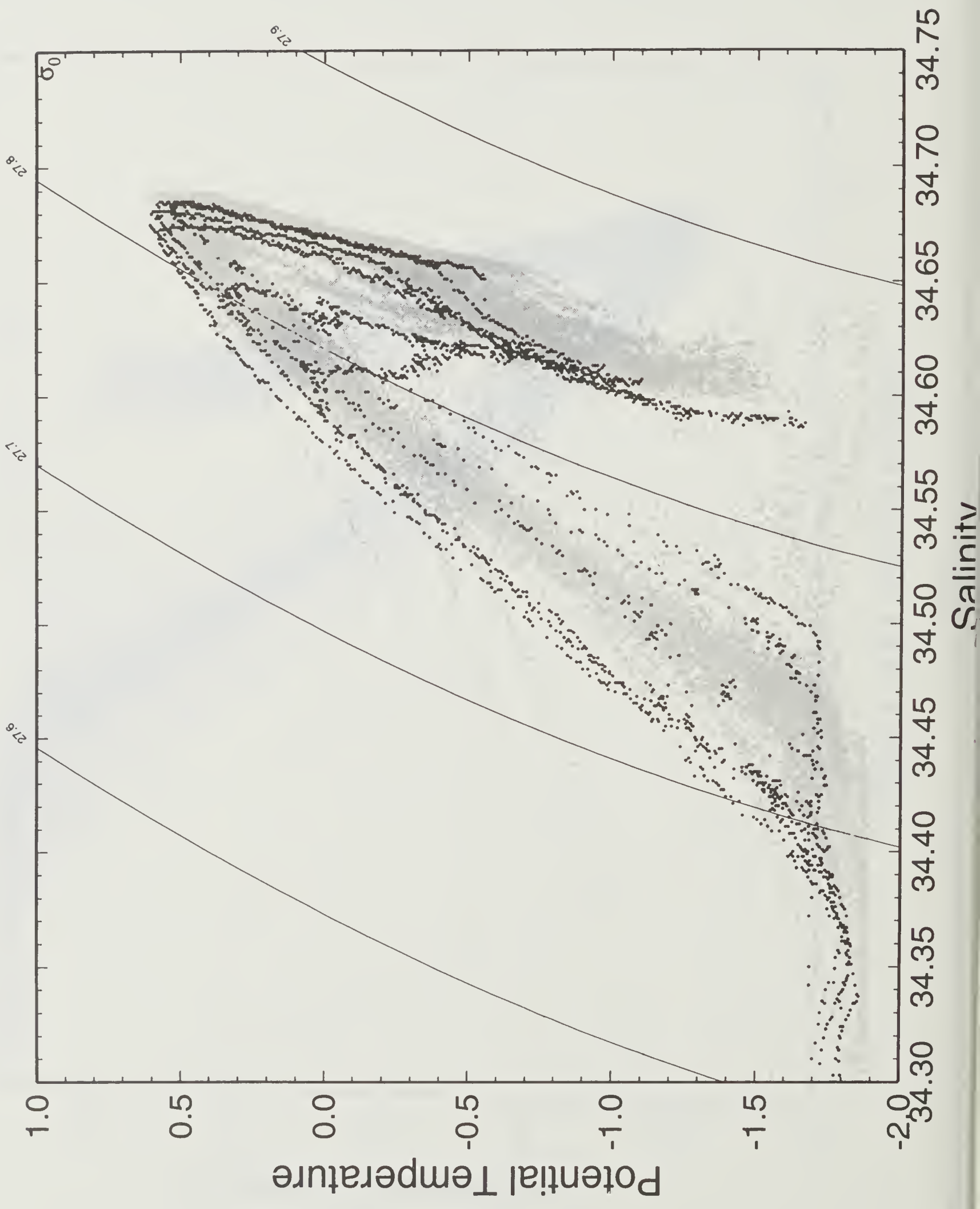
NBP92-2



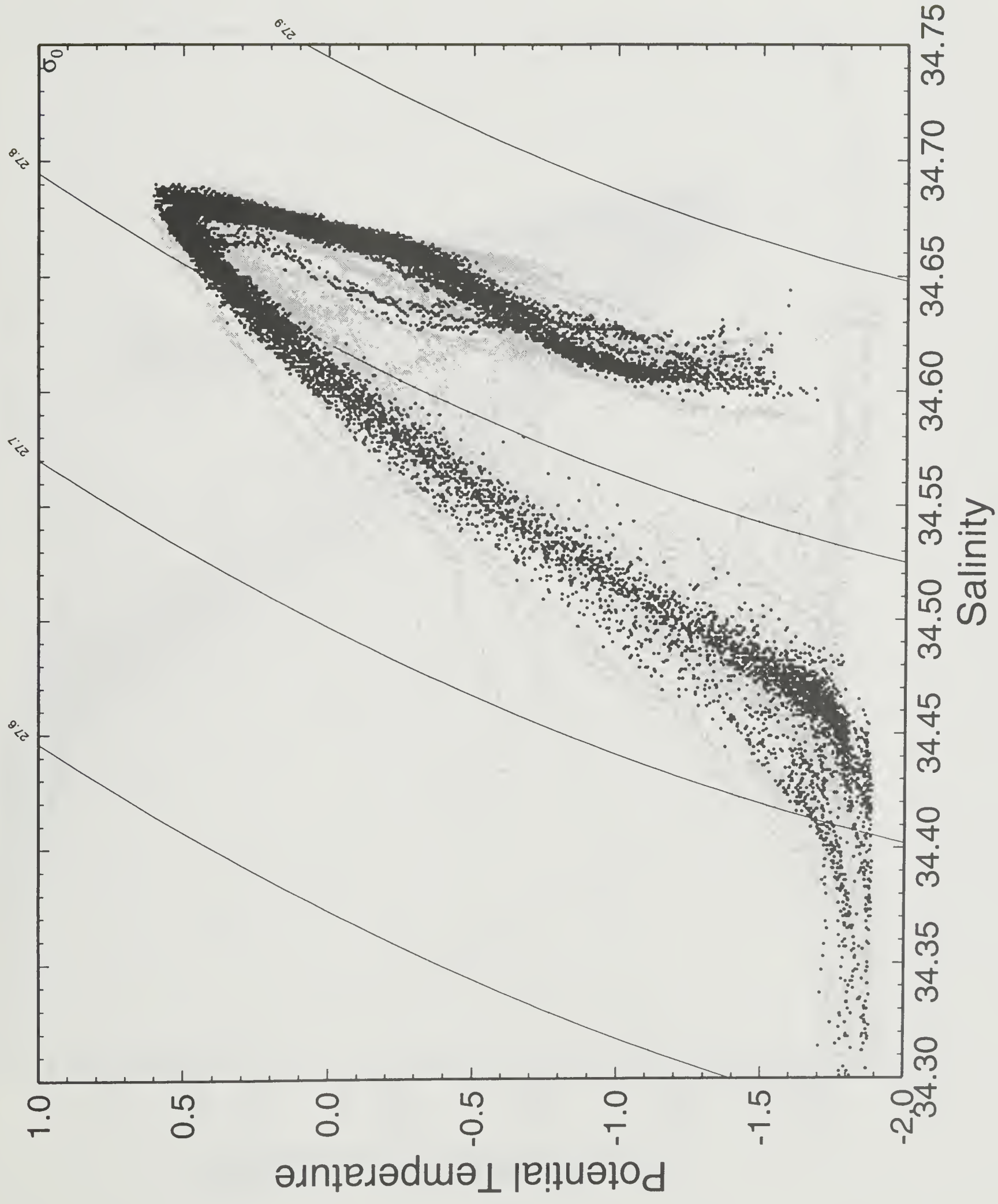
# ISW-1 ALL STATIONS



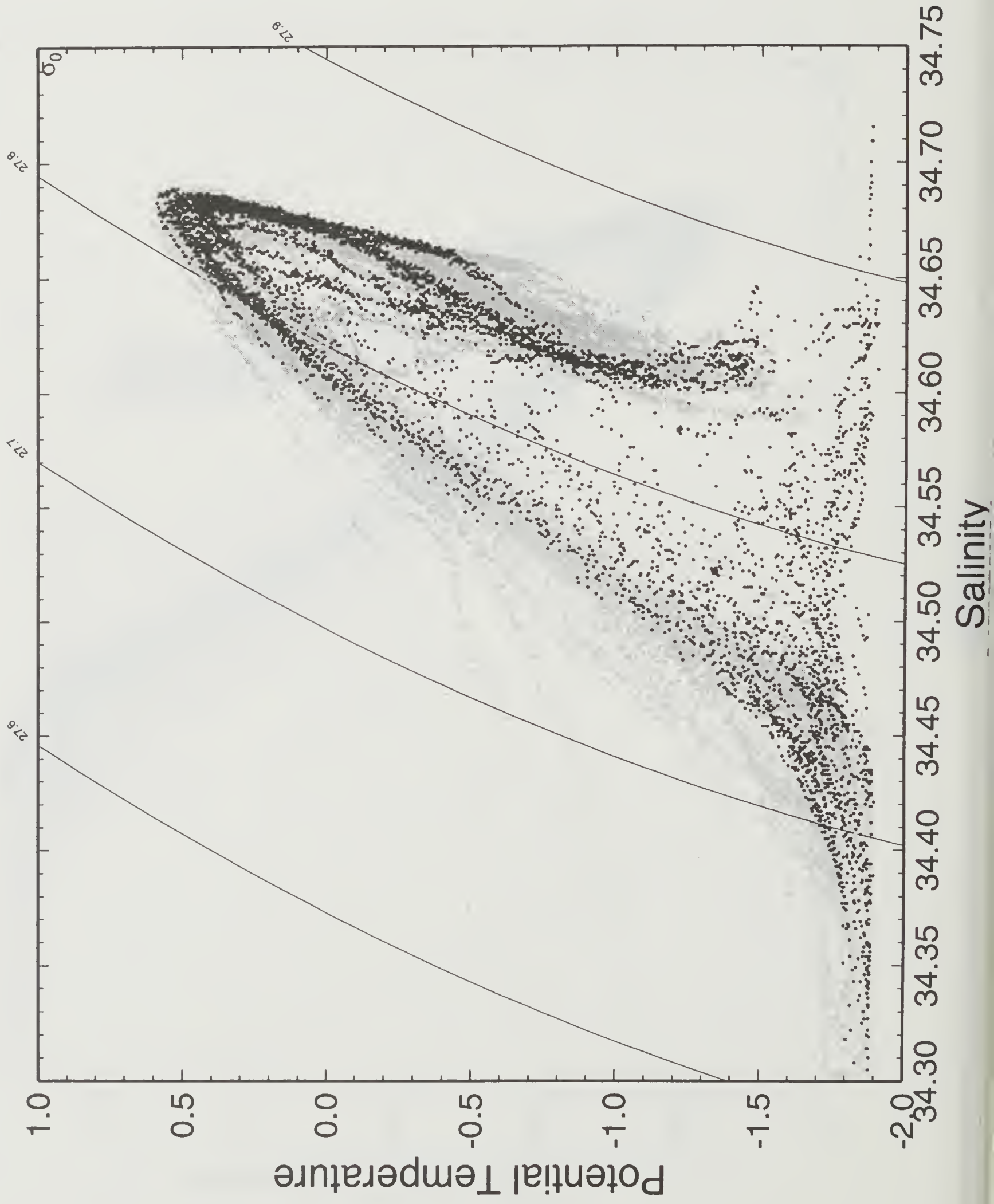
AQ92



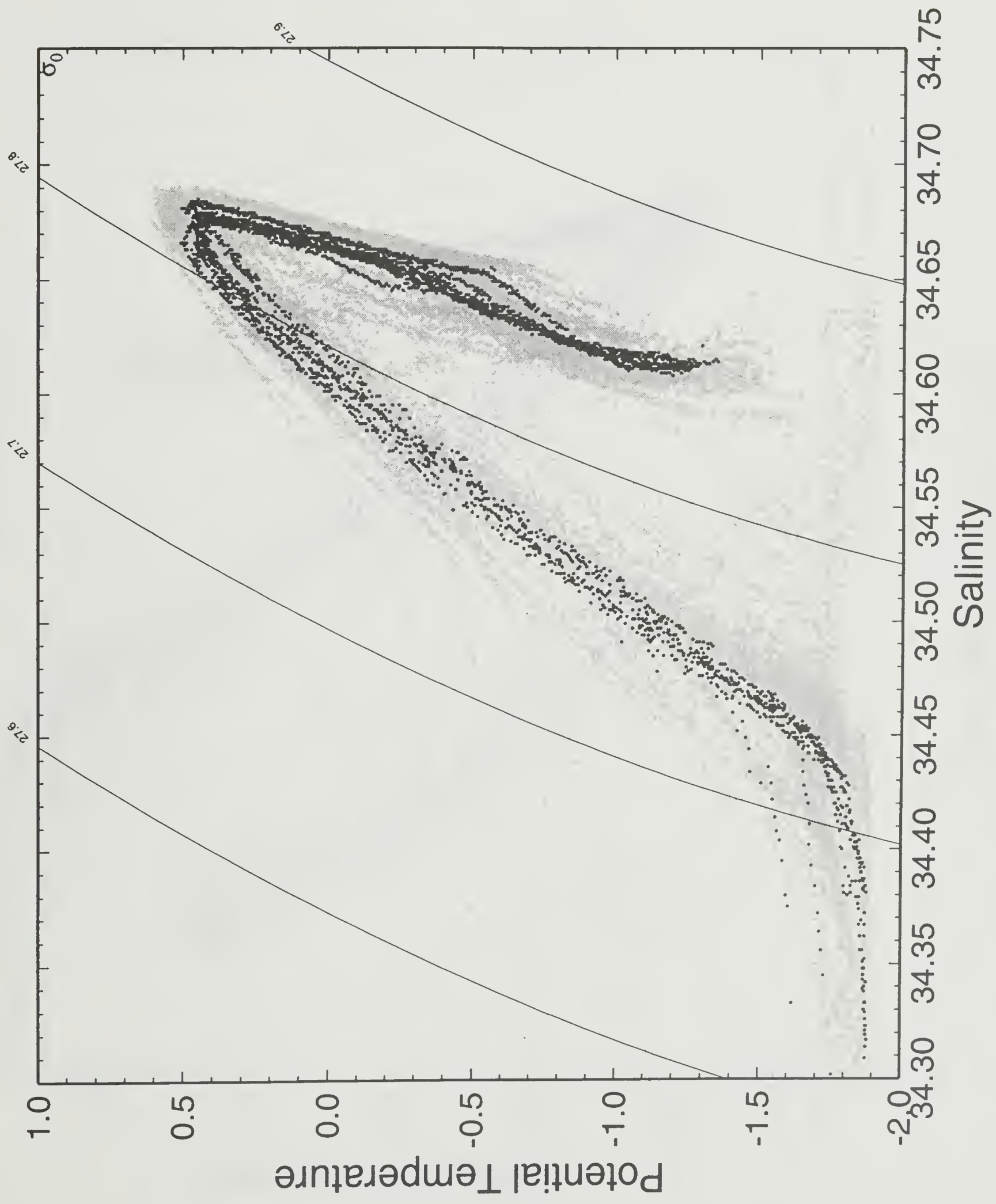
# Camp



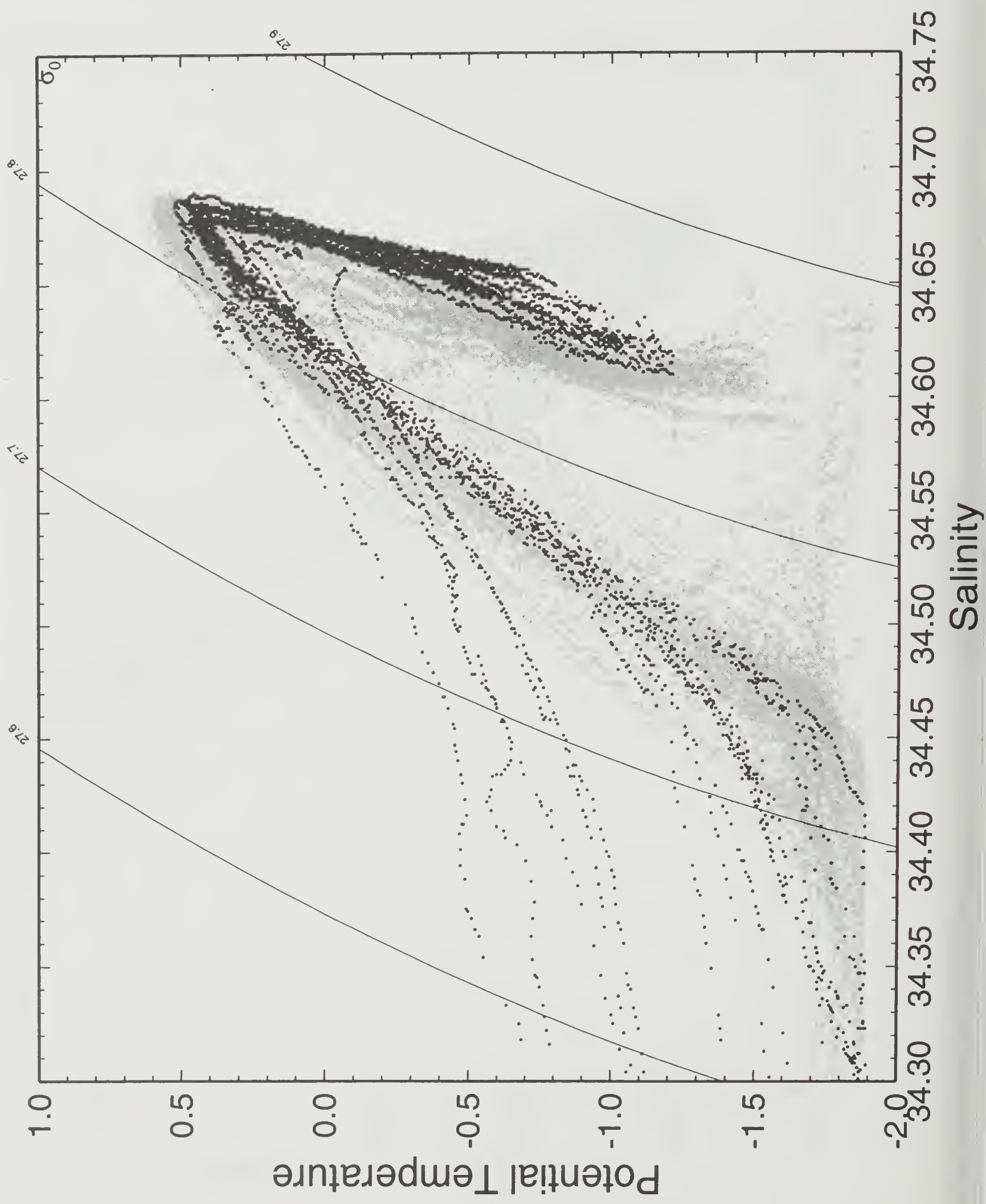
Helo



NBP921

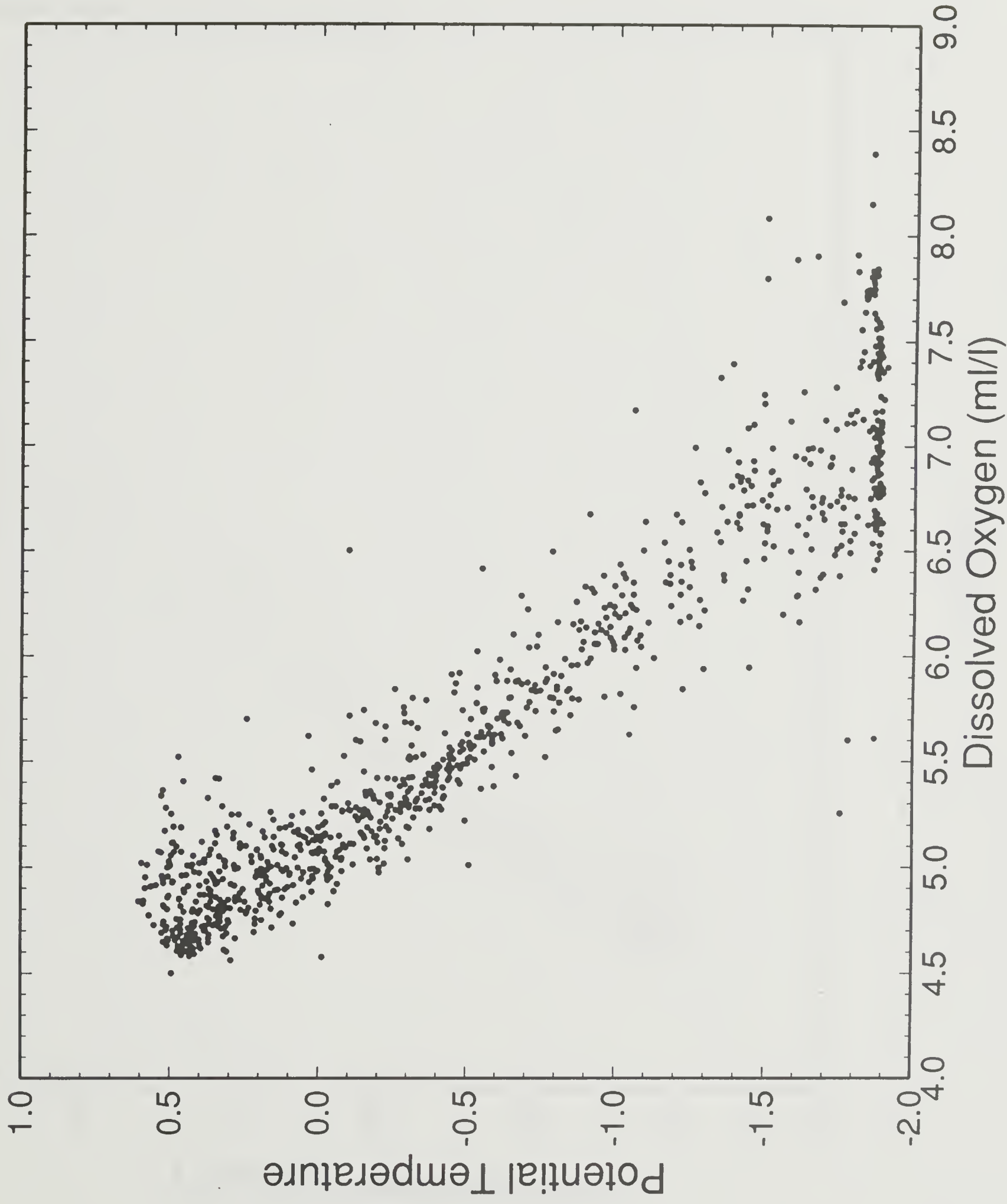


NBP922

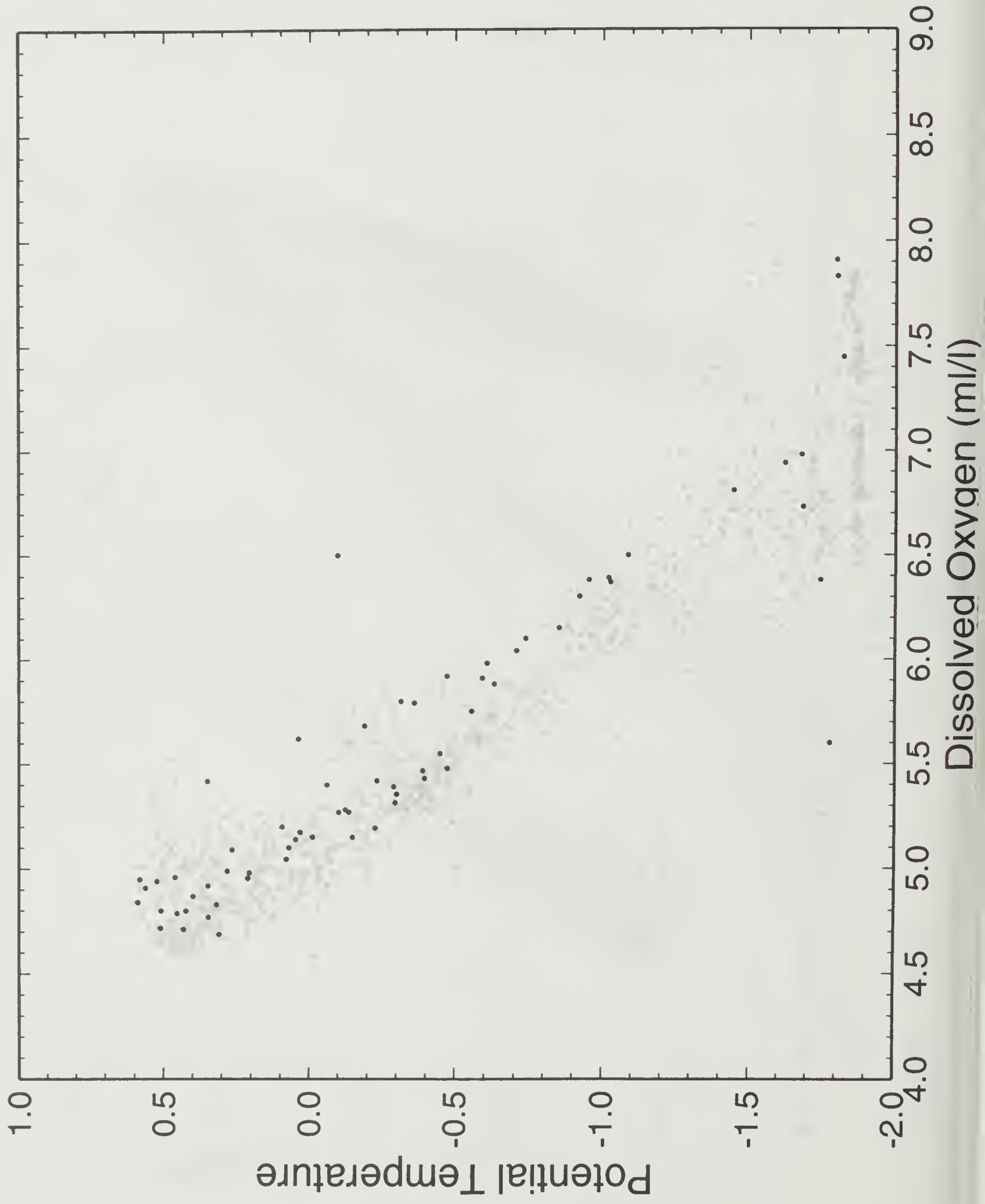




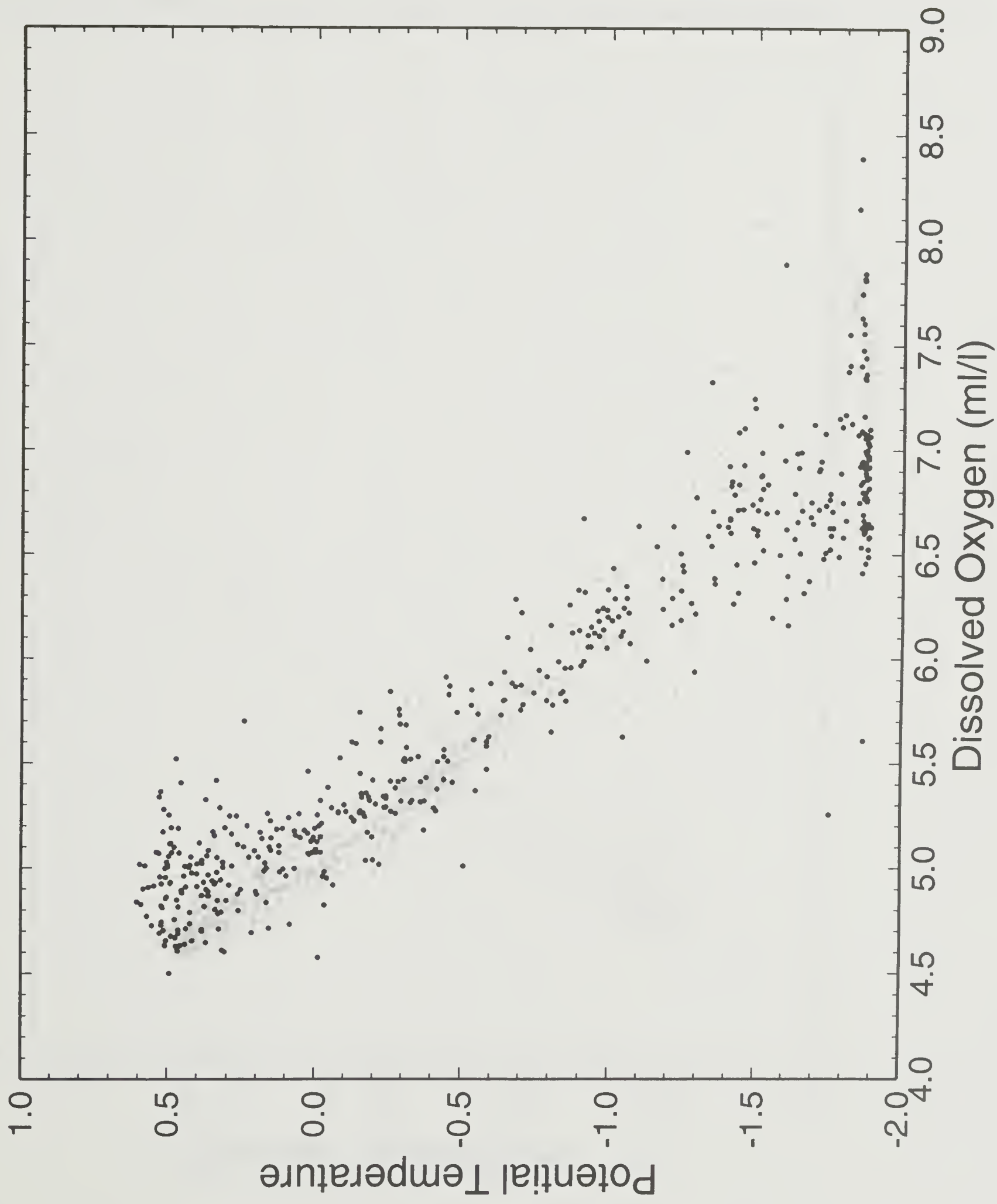
# ISW-1 ALL STATIONS



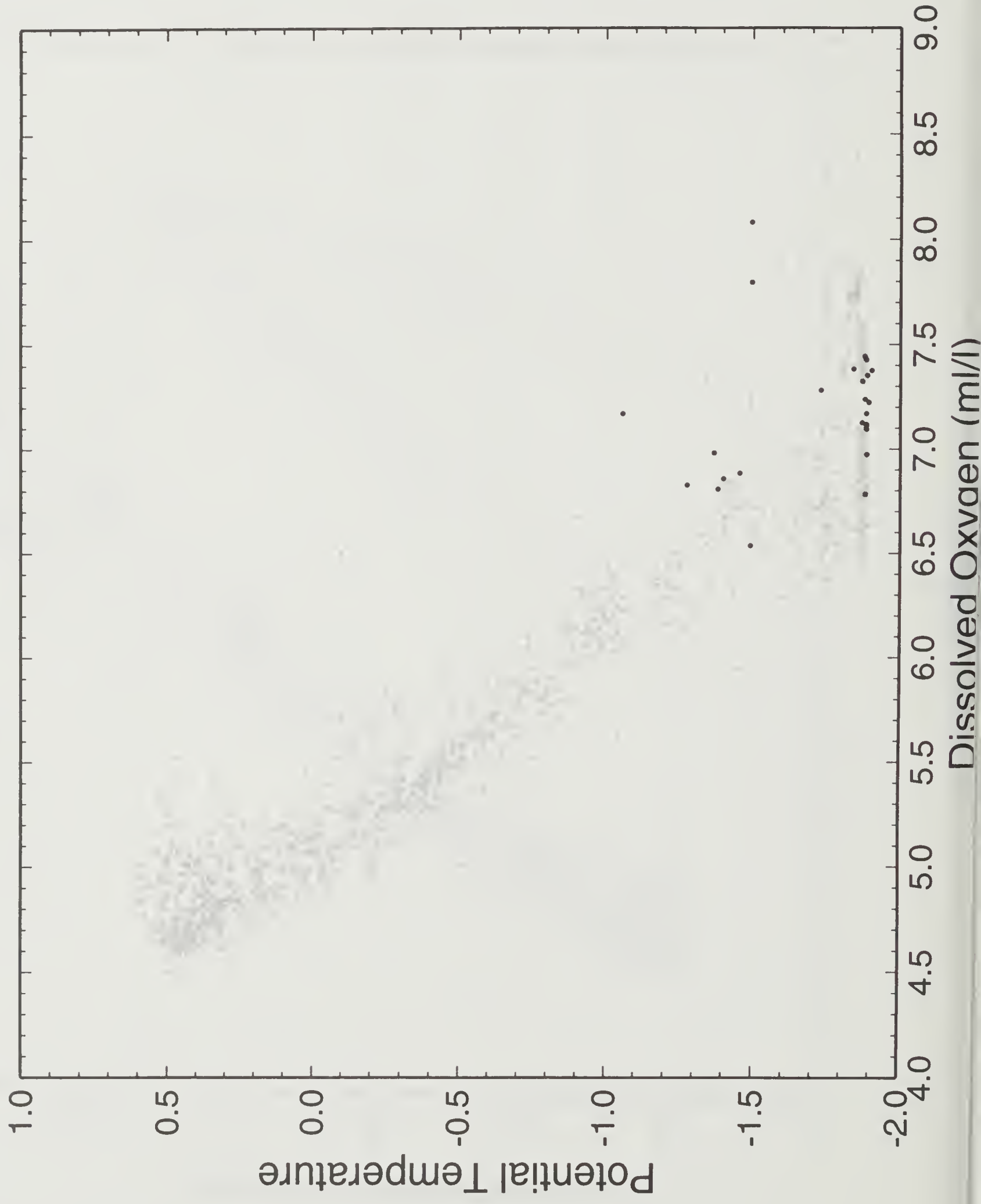
AQ92



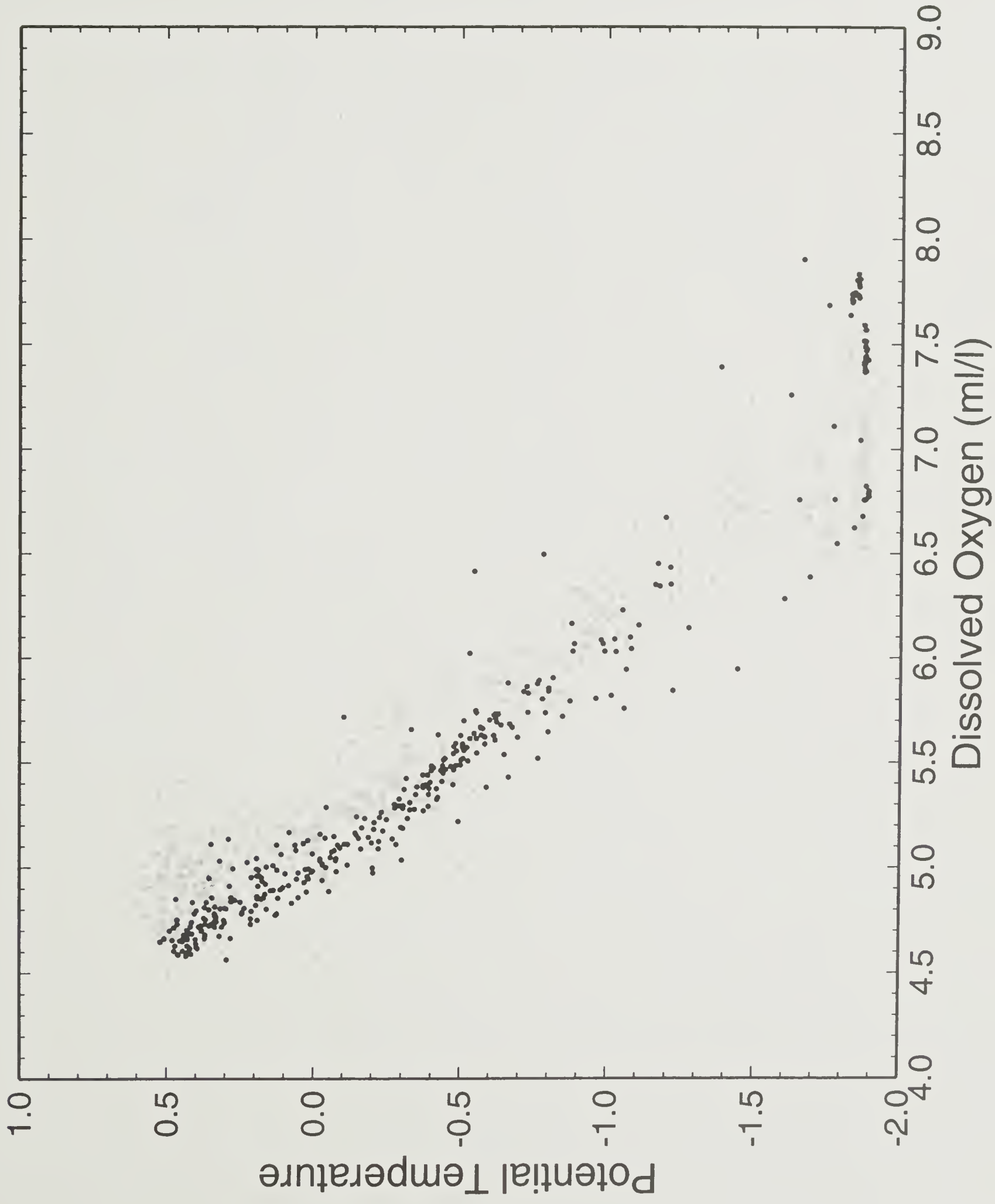
# Camp



# Helo



# NBP922





**ISW-1 Camp**

## Deep (0-Bottom):

Potential Temperature

Salinity

Potential Density ( $\sigma_0$  to 1000 decibars;  $\sigma_2$  below)

Dissolved Oxygen concentration (ml/l)

## Shallow (0-1000)

Potential Temperature

Salinity

Potential Density ( $\sigma_0$ )

Dissolved Oxygen concentration (ml/l)

## Near-Bottom (1500-Bottom)

Potential Temperature

Salinity

Potential Density ( $\sigma_2$ )

## Bottom-referenced (0-800 decibars above bottom)

Potential Temperature

Salinity

**Helicopter Sections 1-4**

## Potential Temperature

Deep (0-bottom)

Shallow (0-1000)

## Salinity

Deep (0-bottom)

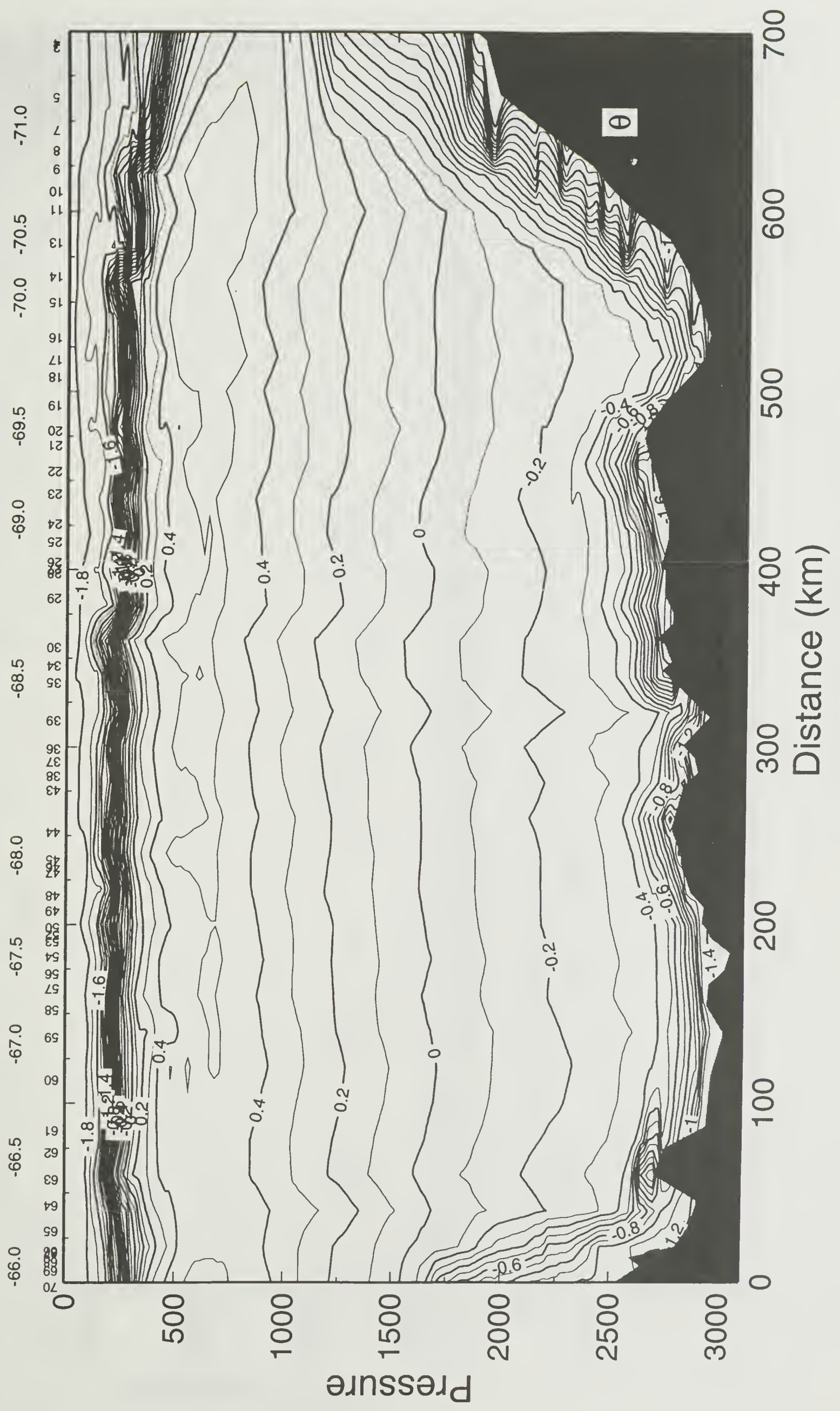
Shallow (0-1000)

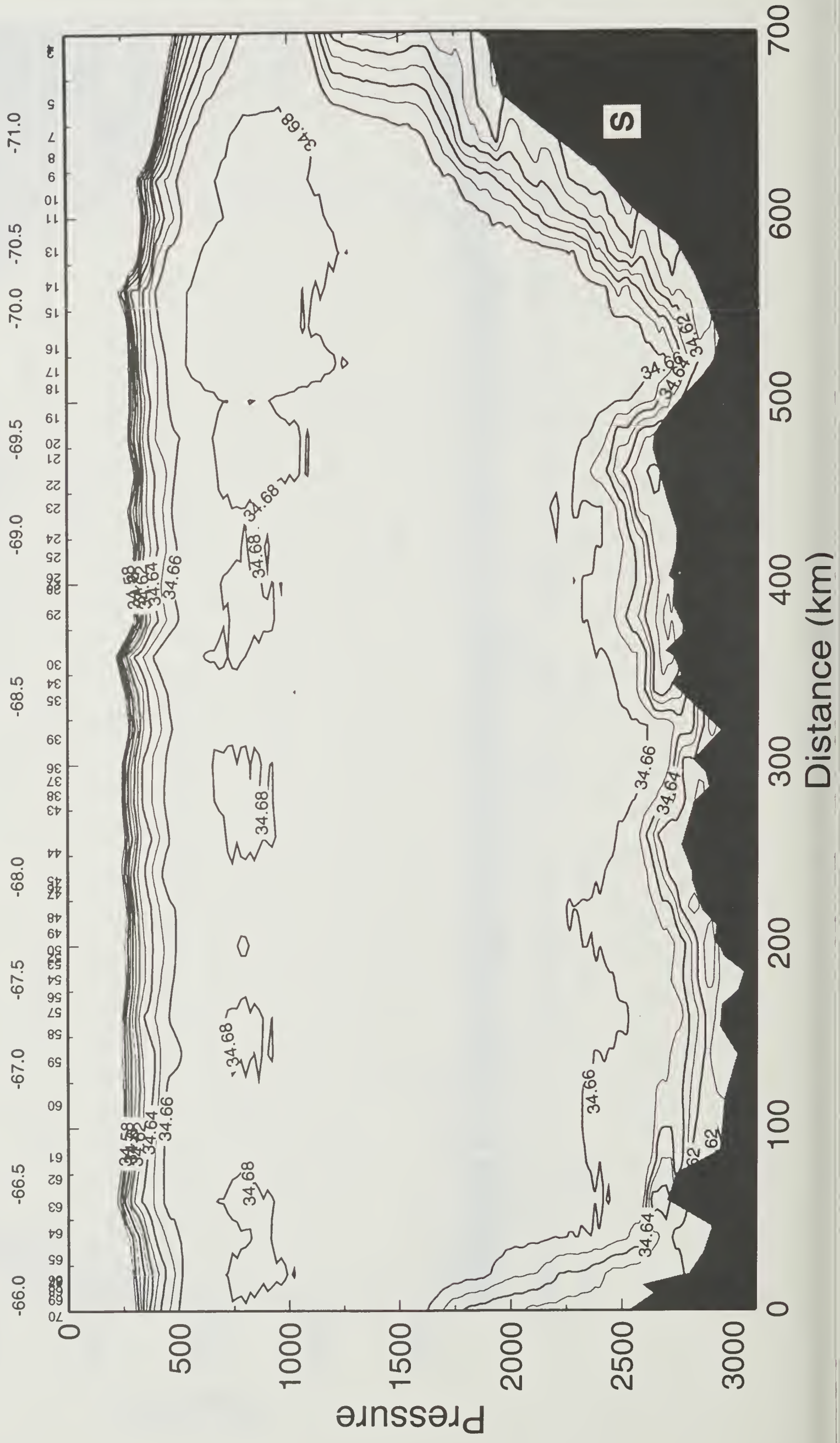
## Potential Density

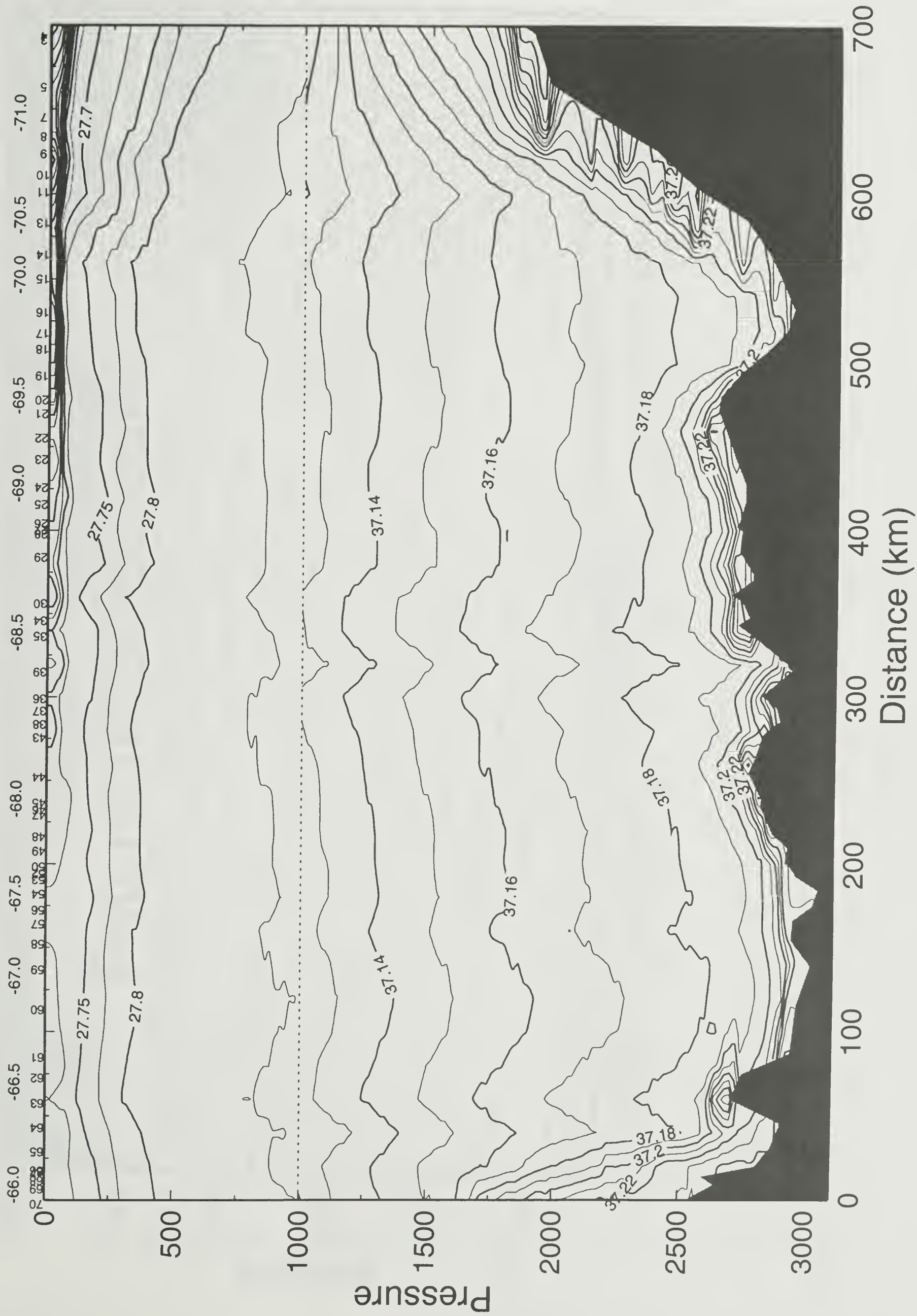
Deep (0-bottom) ( $\sigma$  -500 to 1000,  $\sigma_2$  below)Shallow (0-1000) ( $\sigma$  -500)

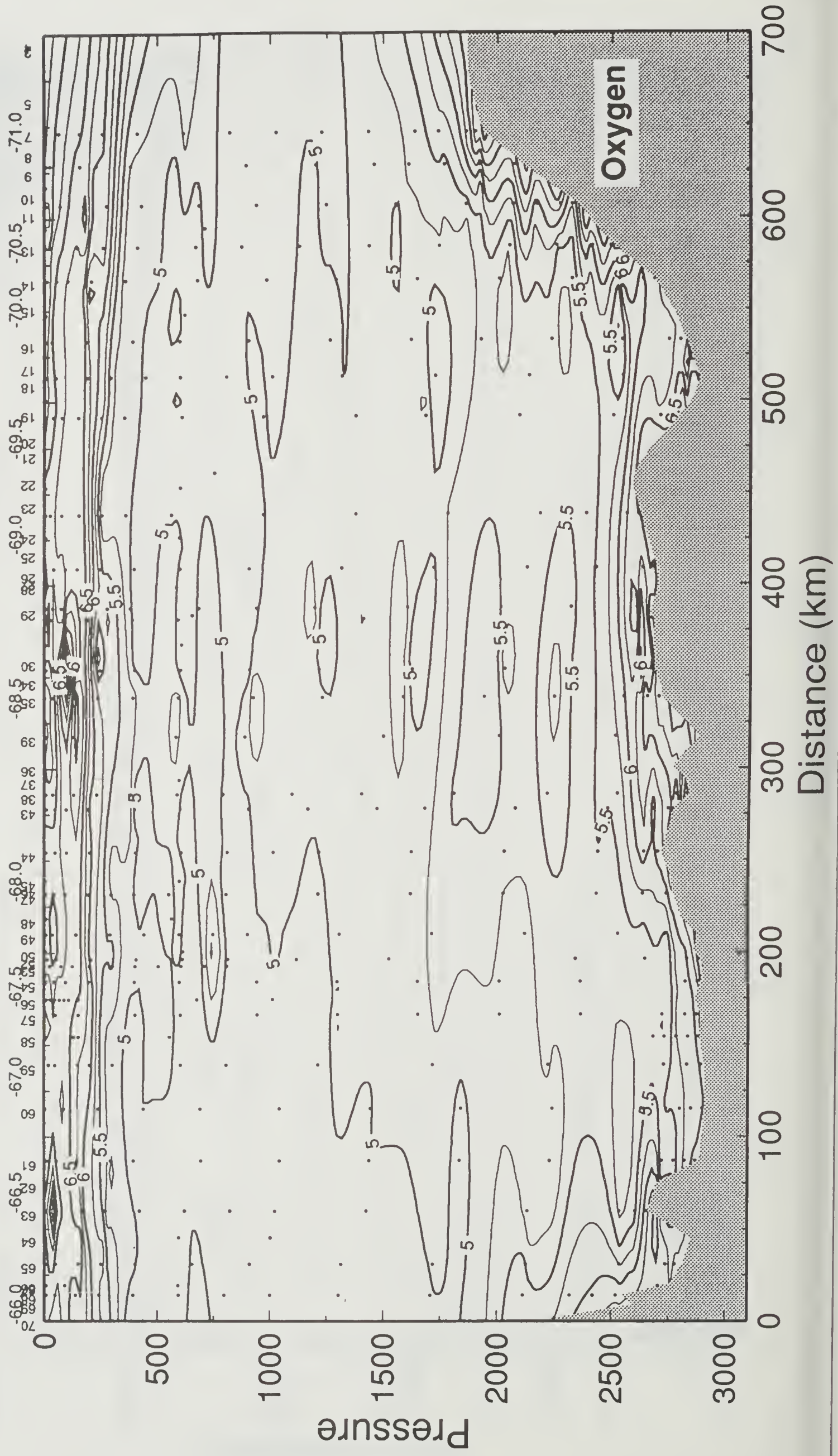




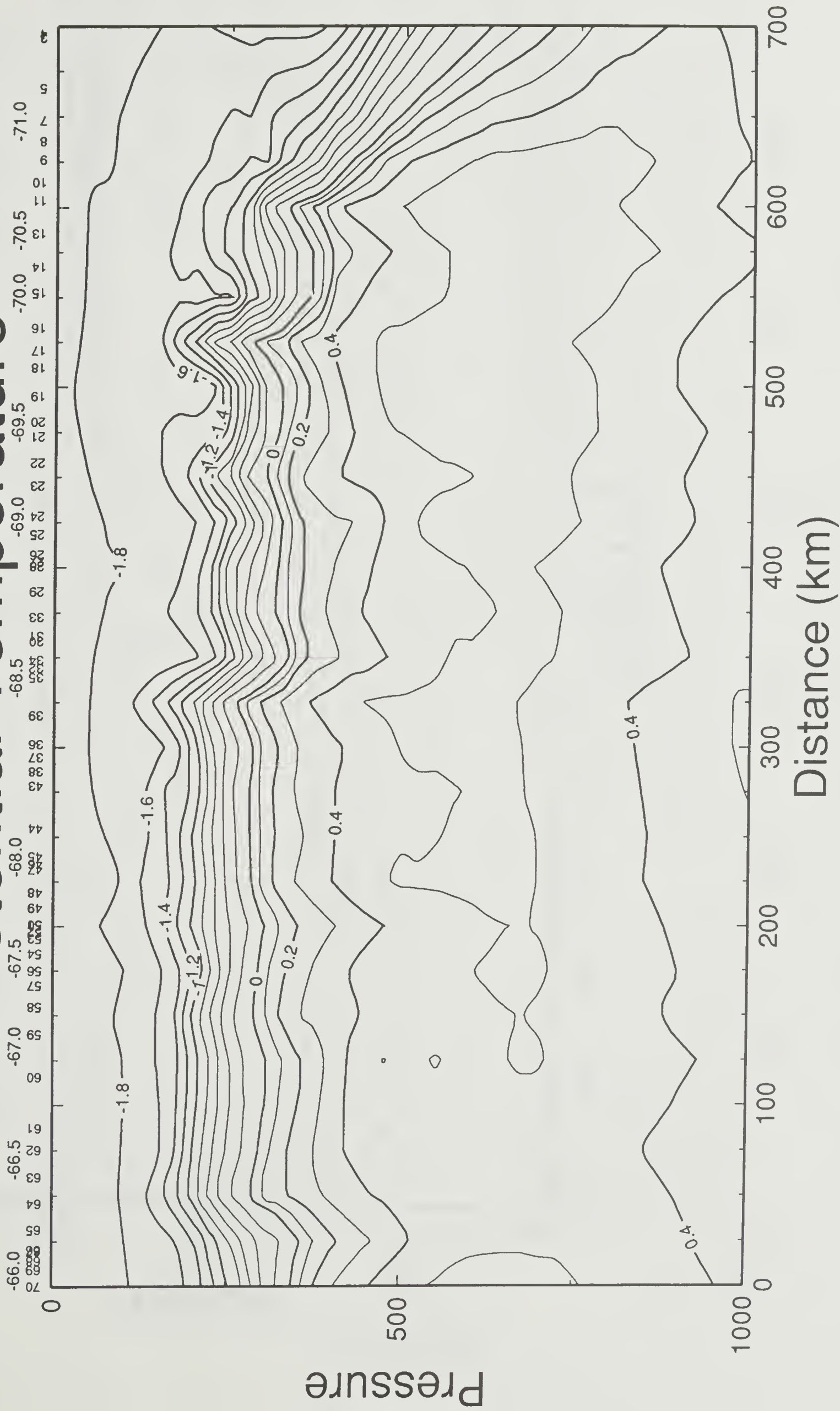




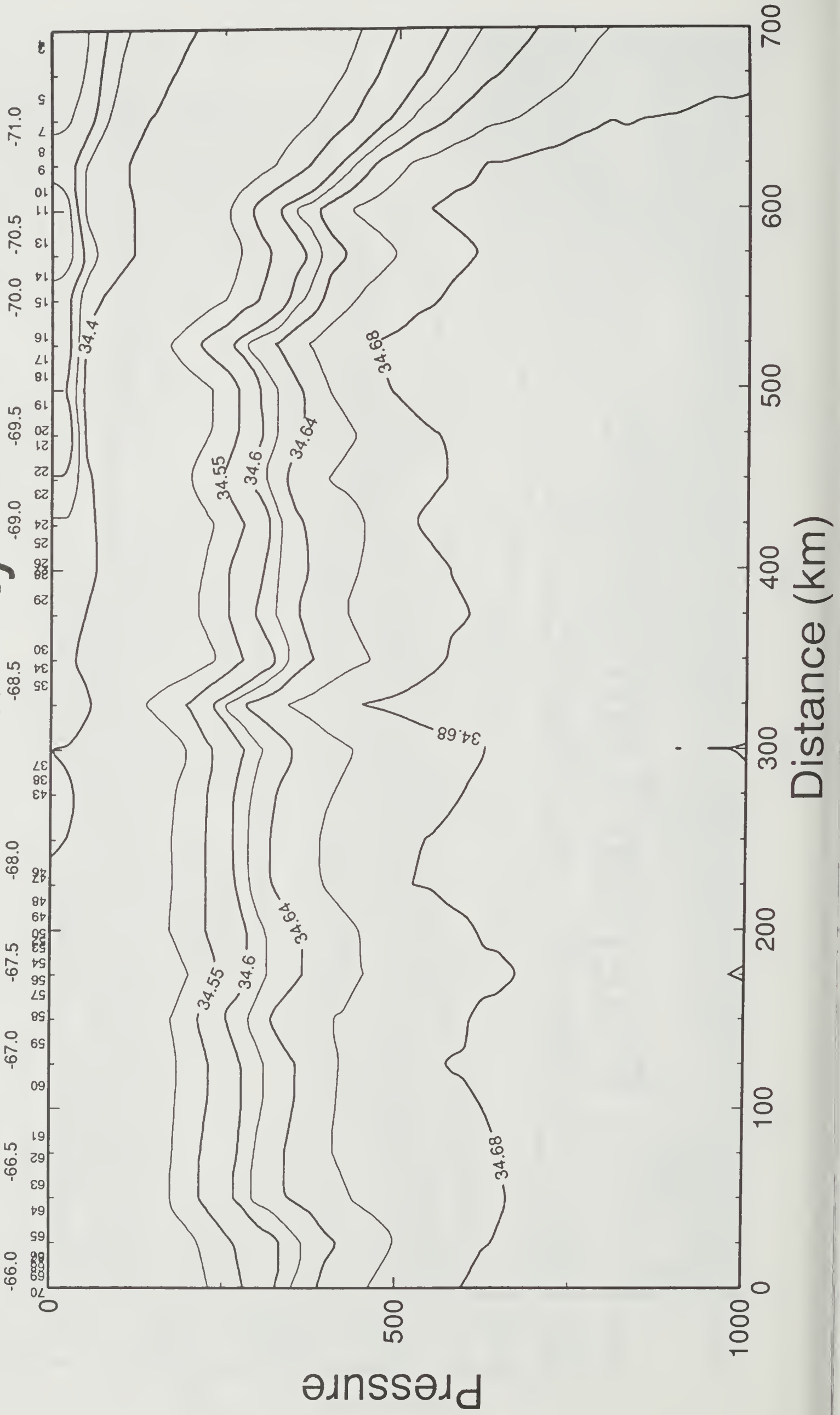




# Potential Temperature

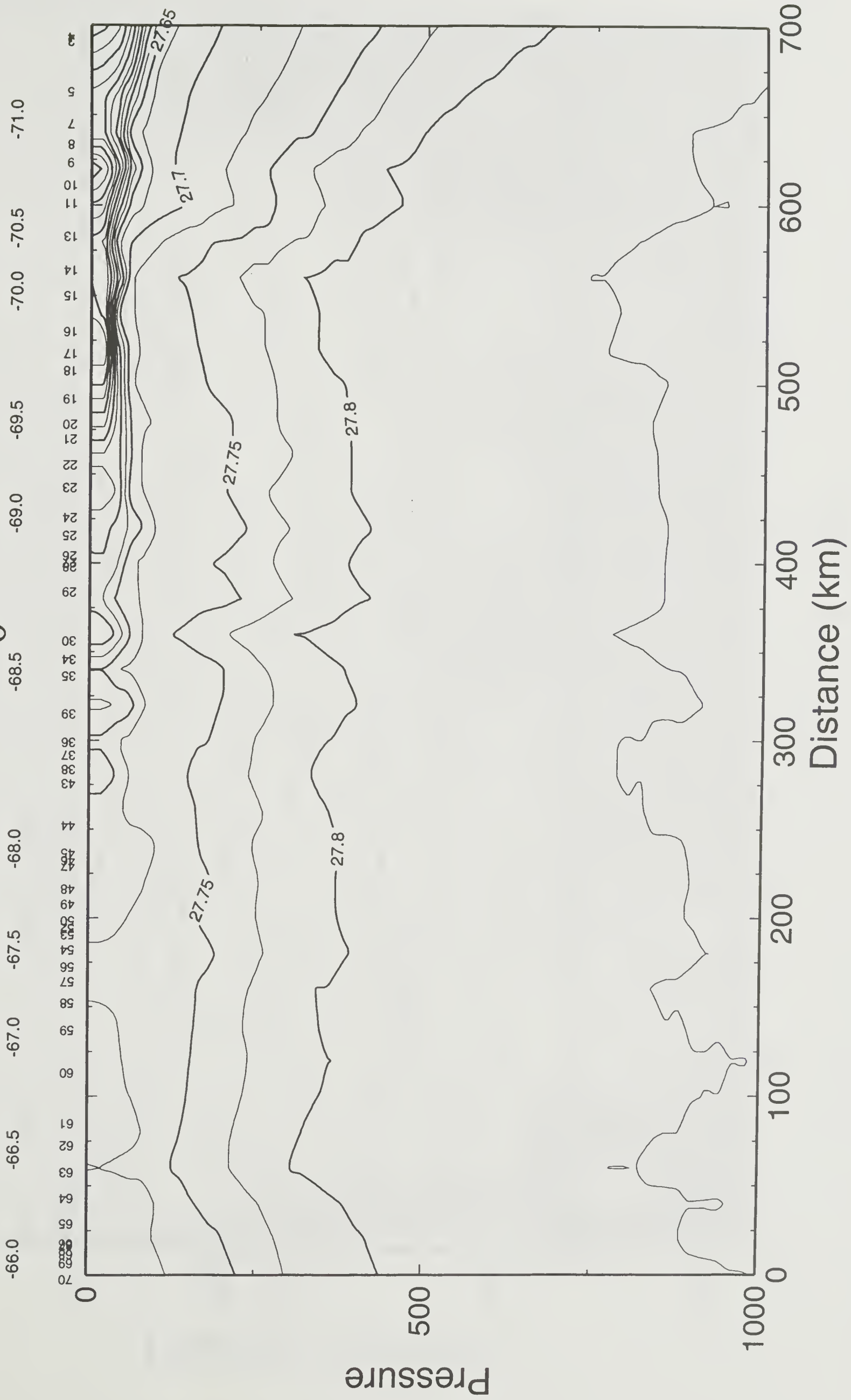


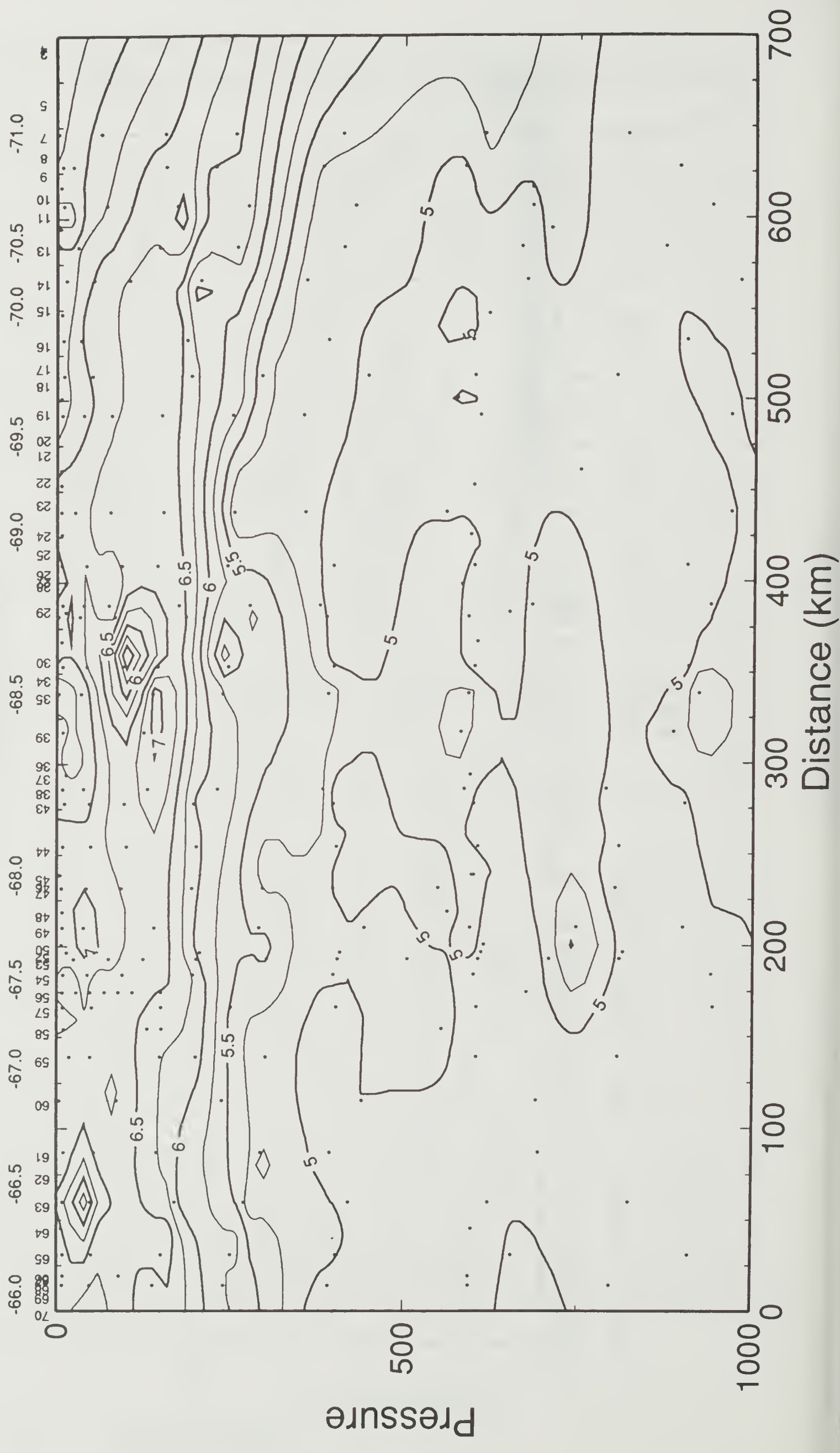
# Salinity



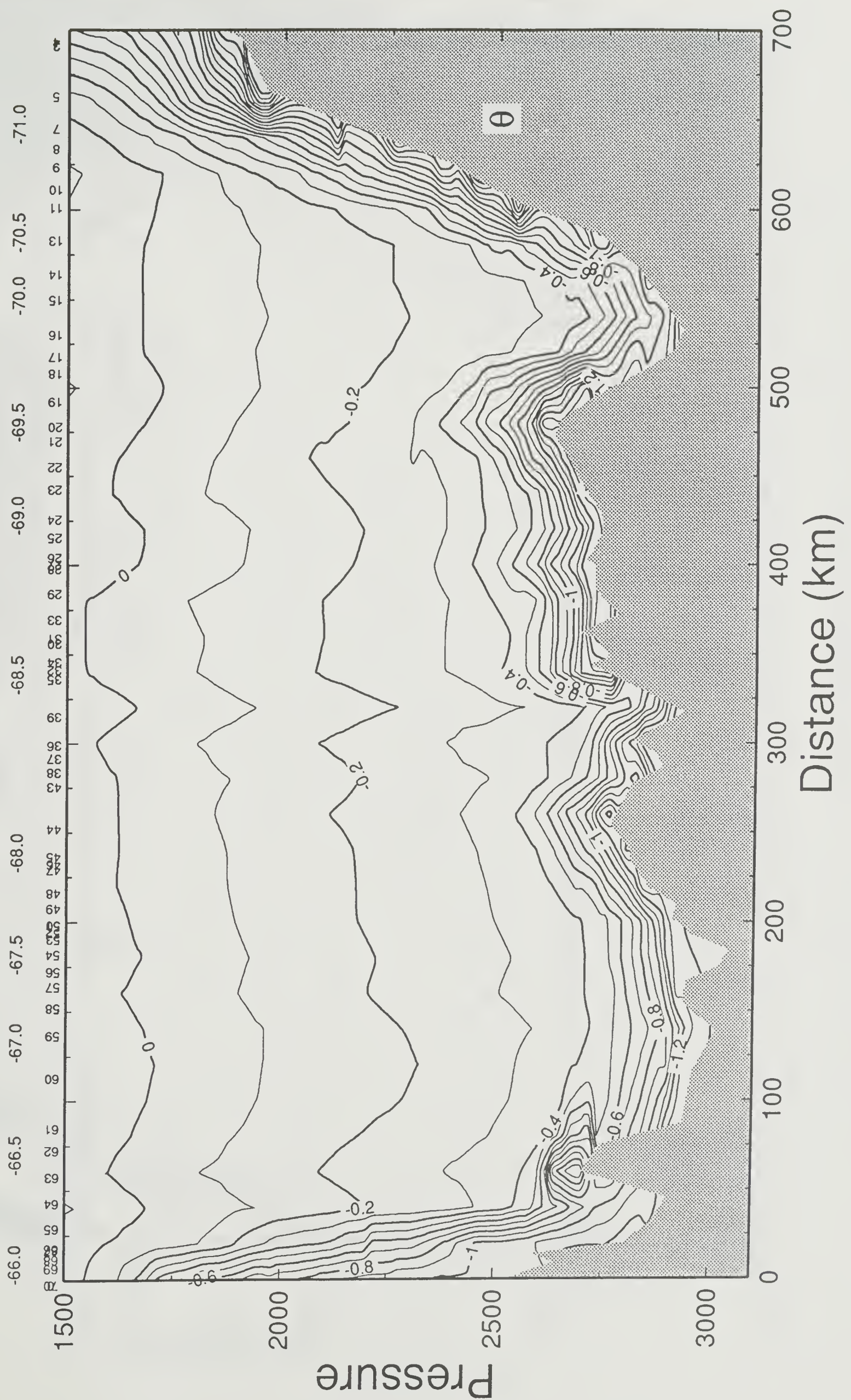
Distance (km)

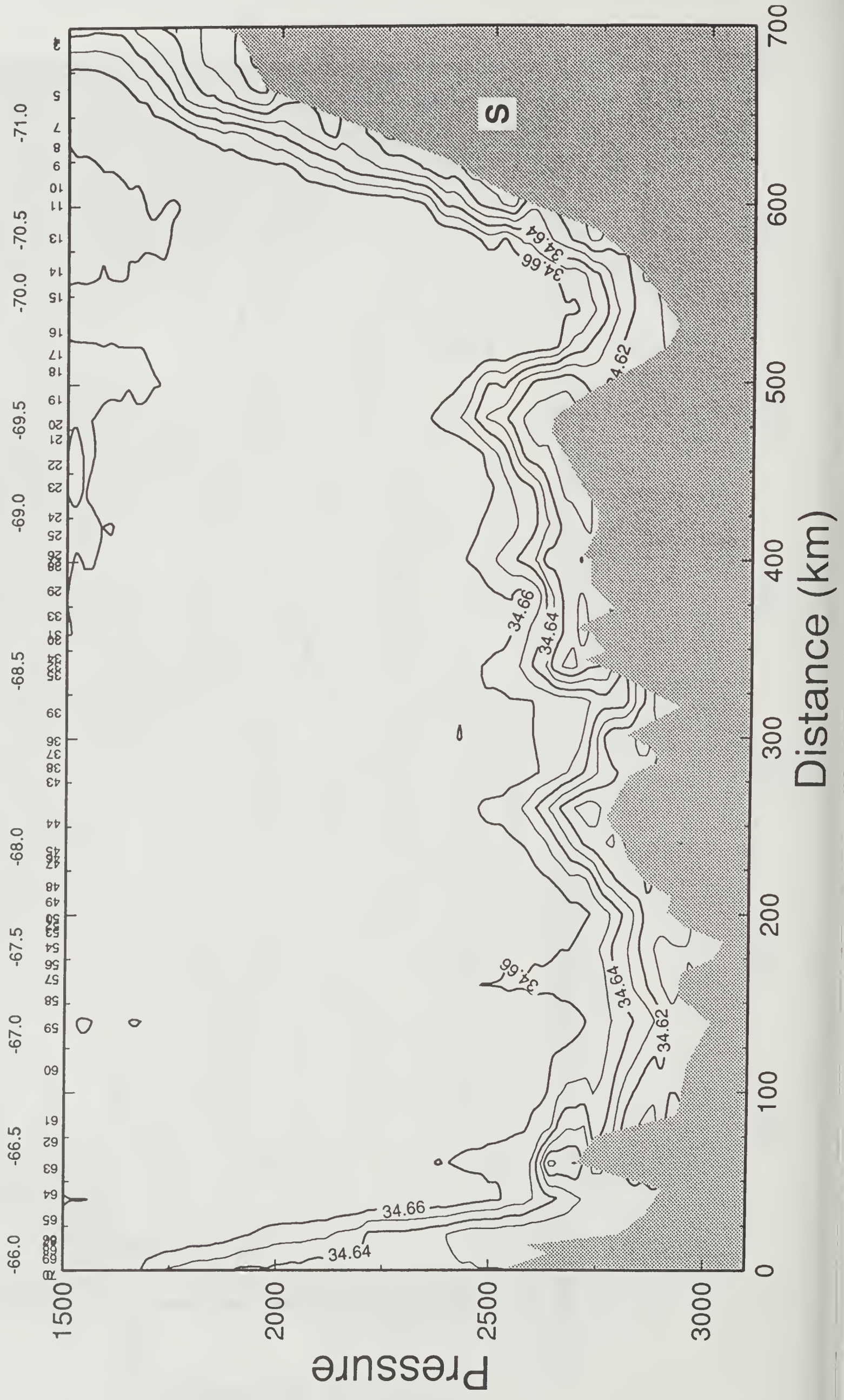
$\sigma_0$

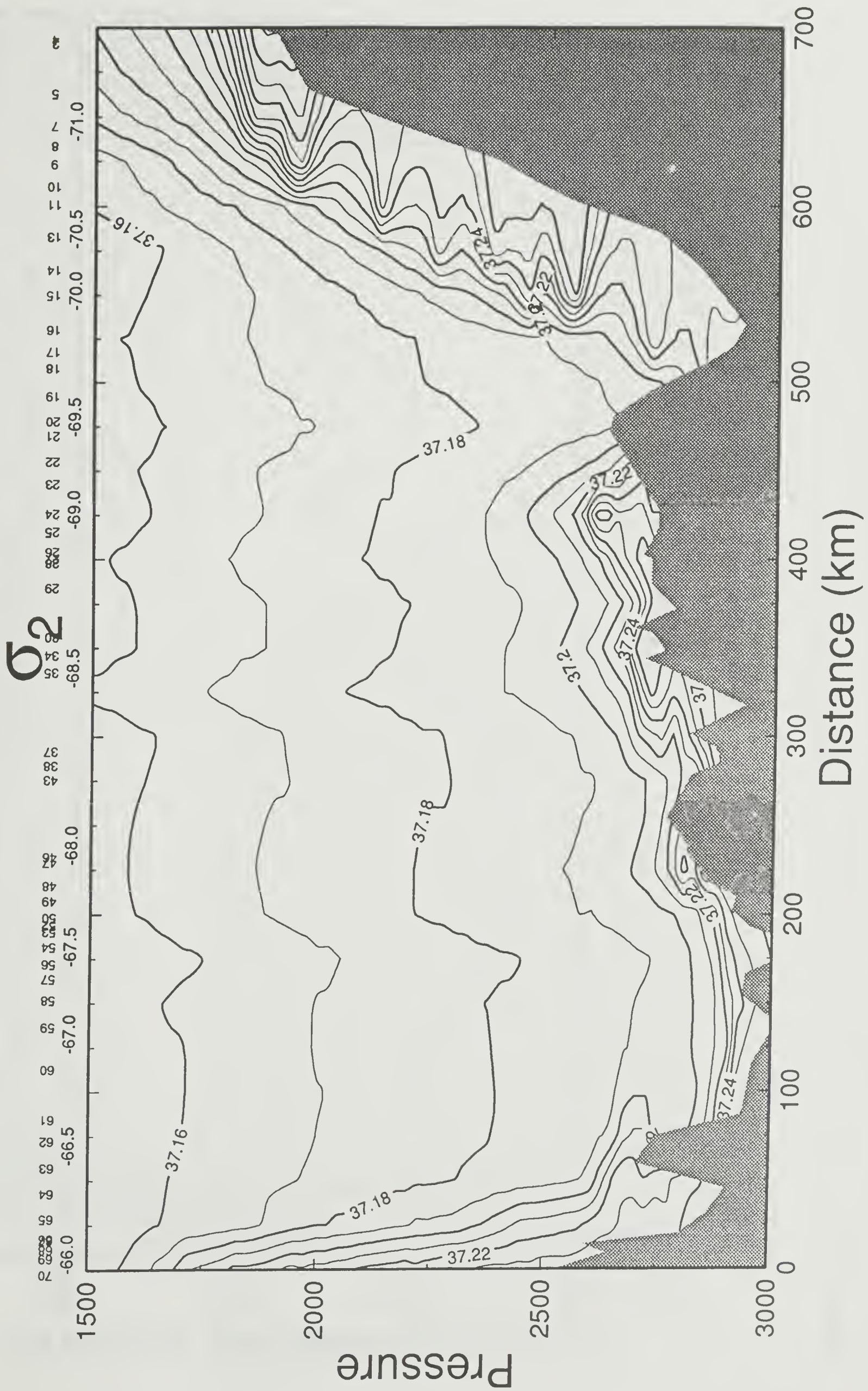


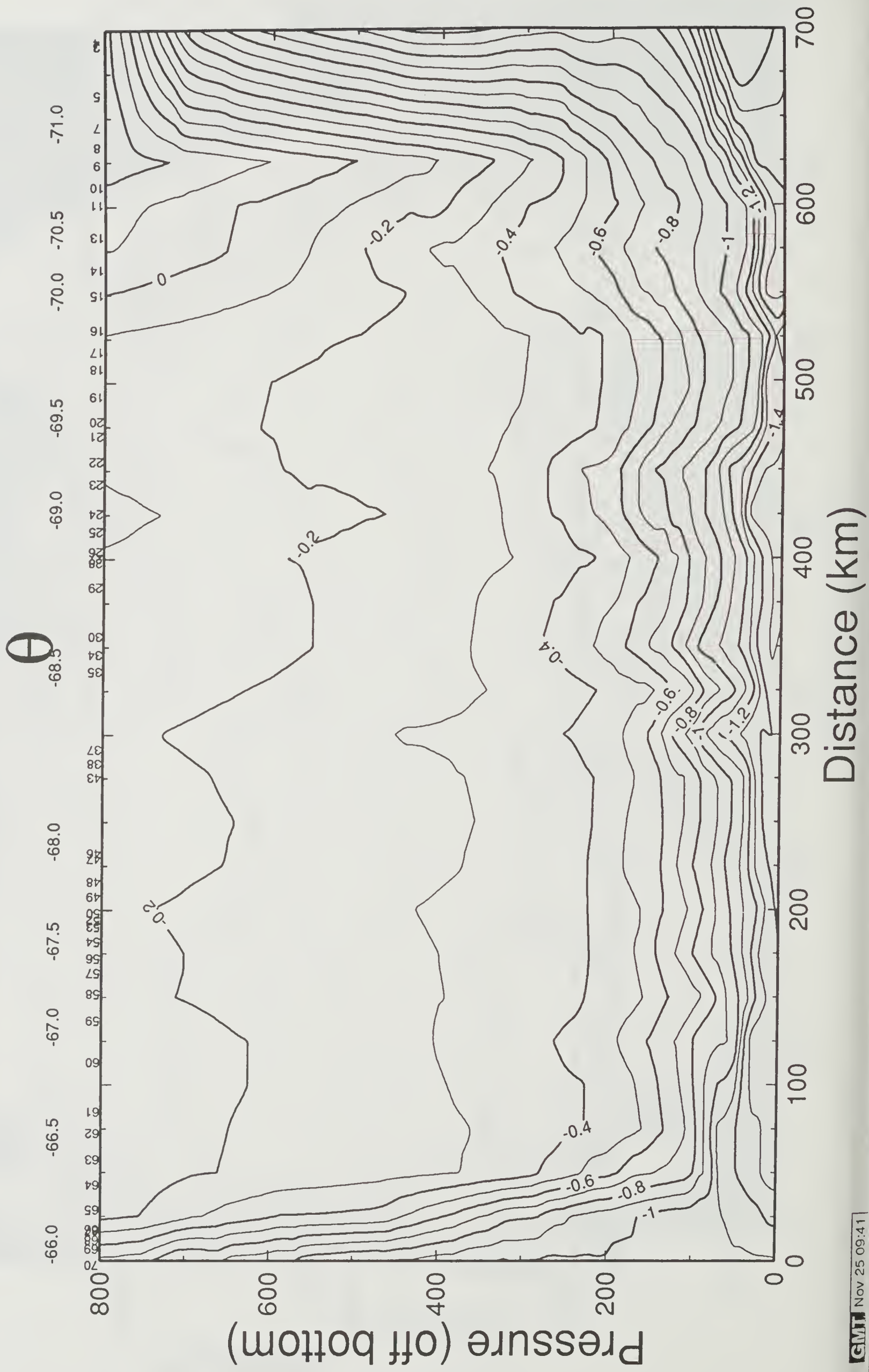




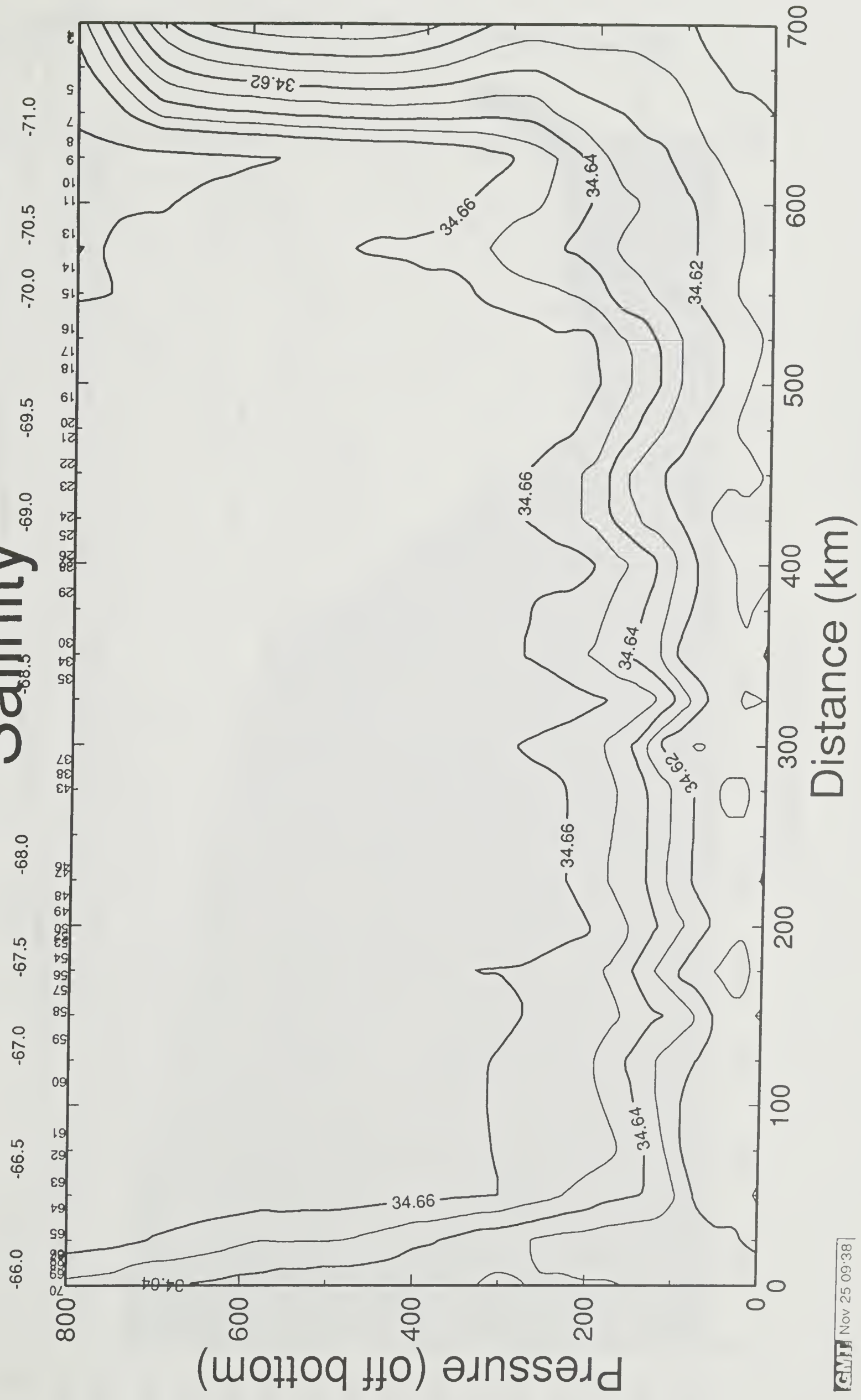


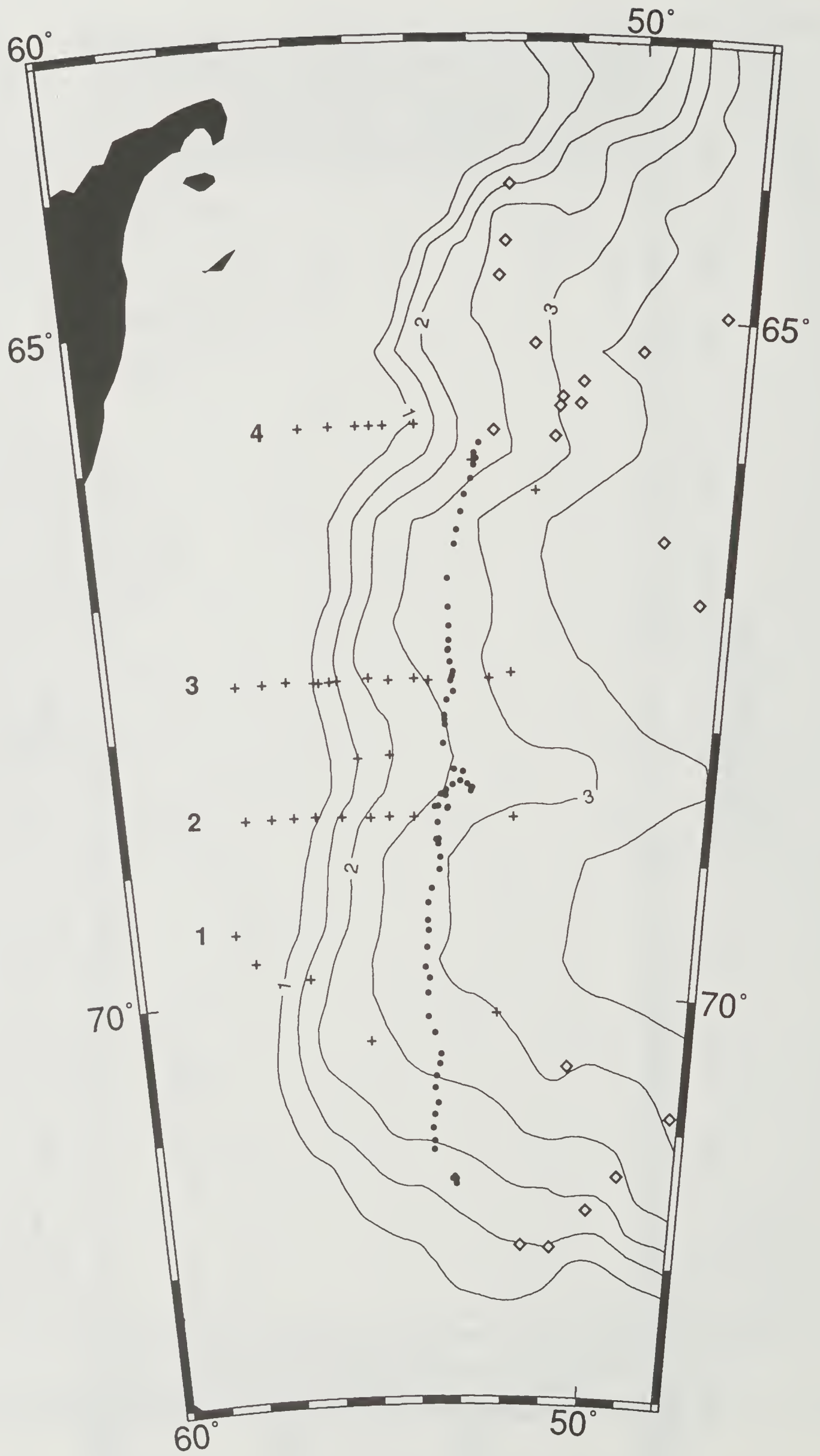




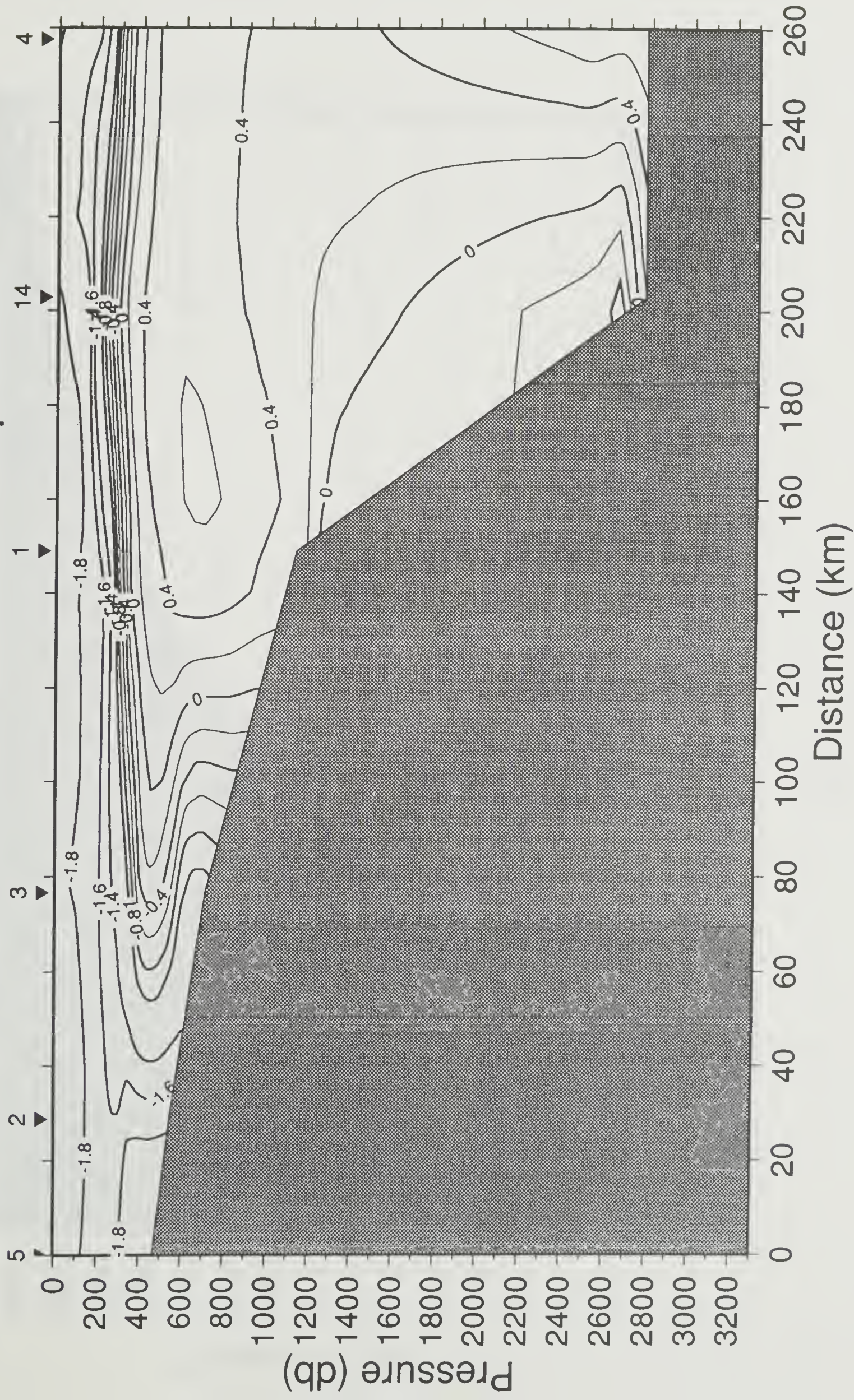


# Salinity

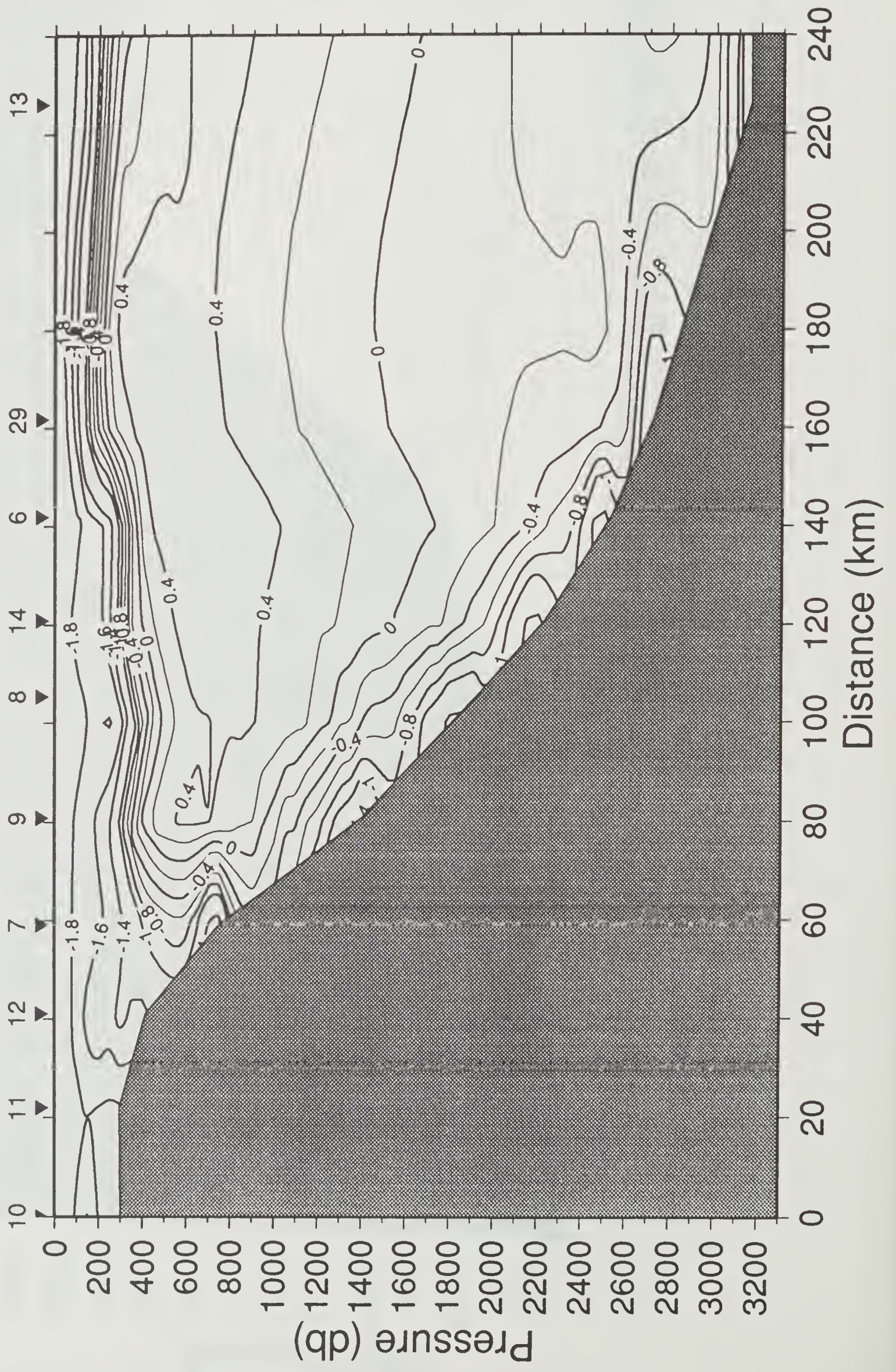




# HELO section1 Potential Temperature

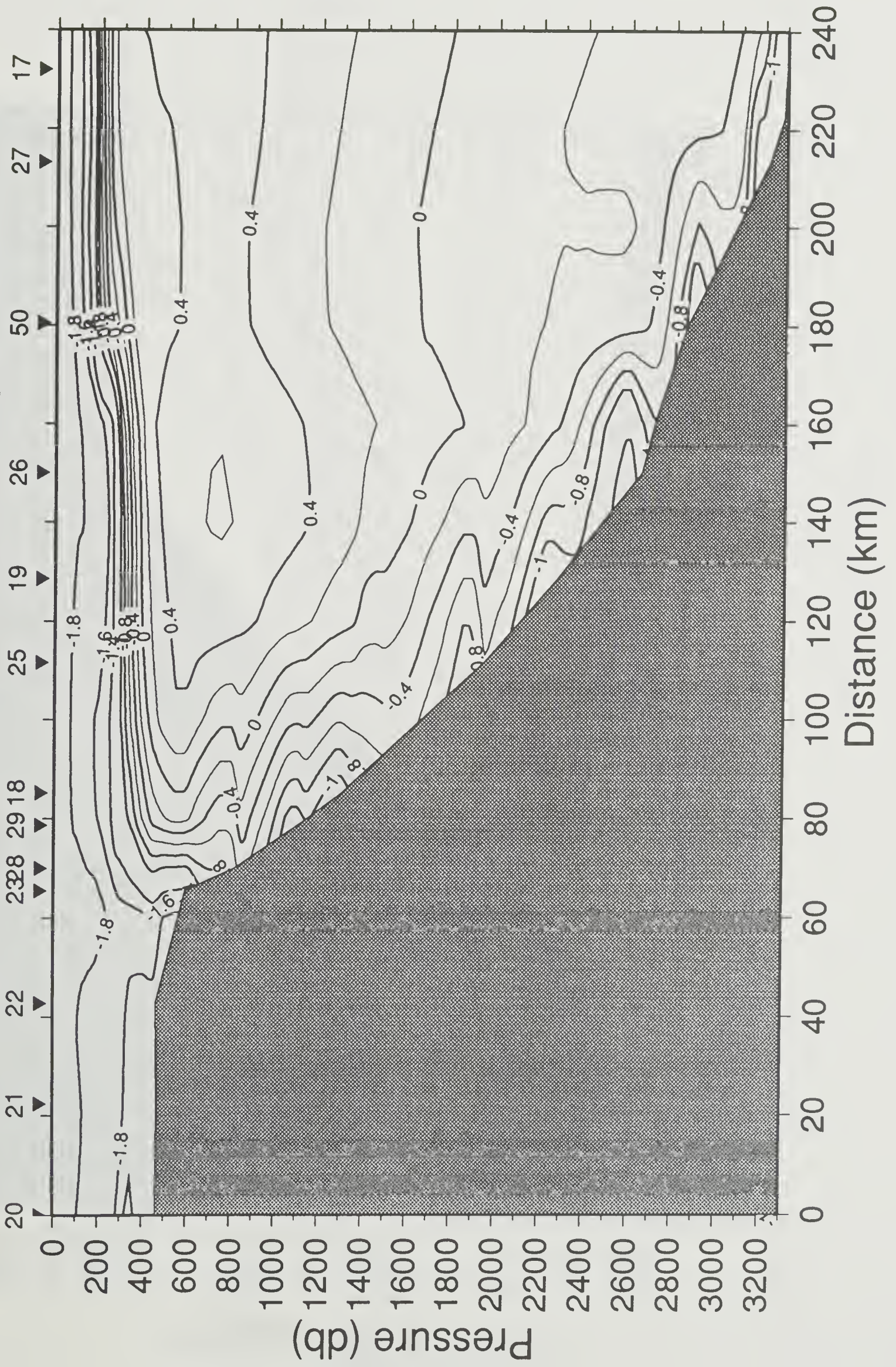


# HELO section2 Potential Temperature

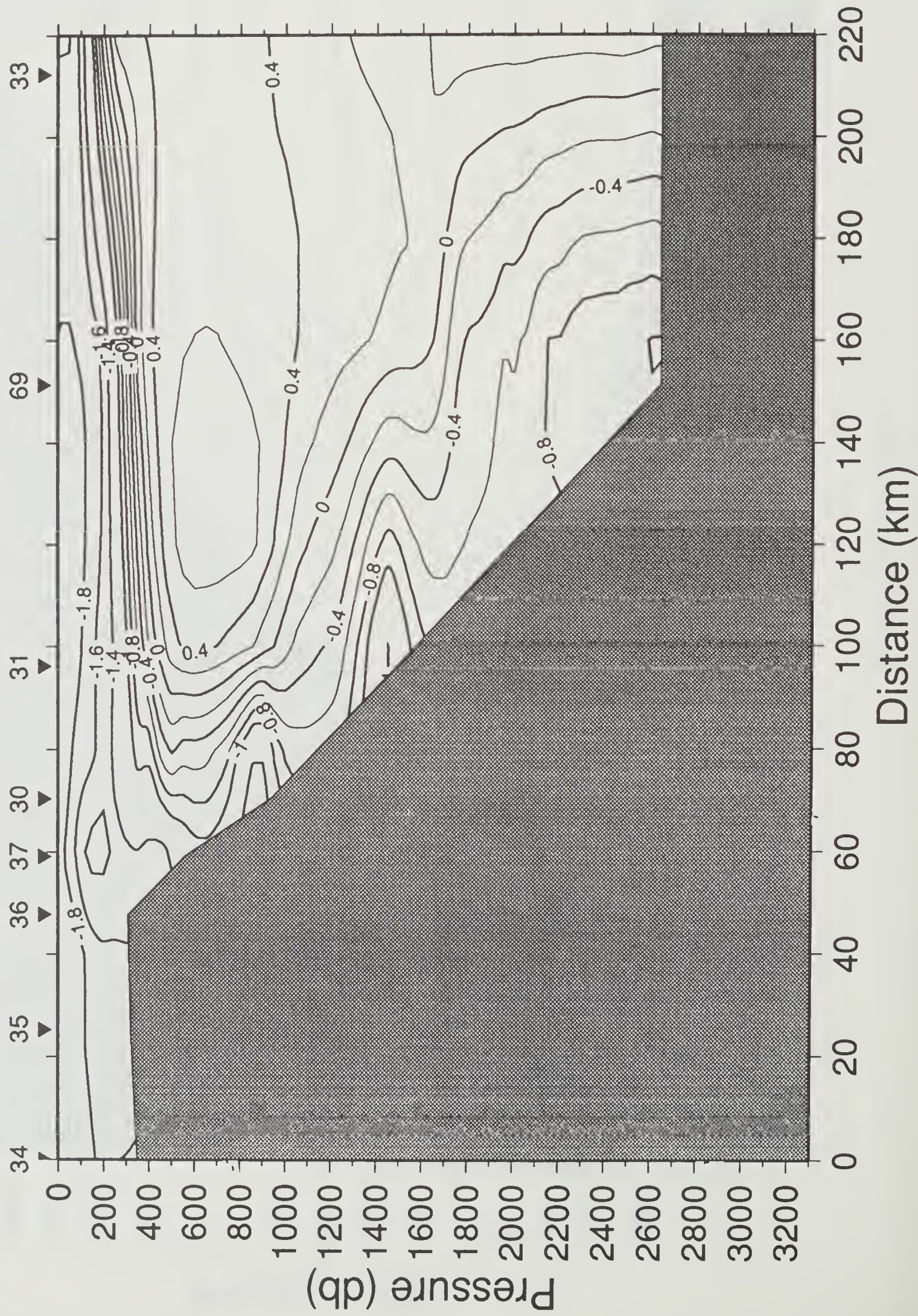




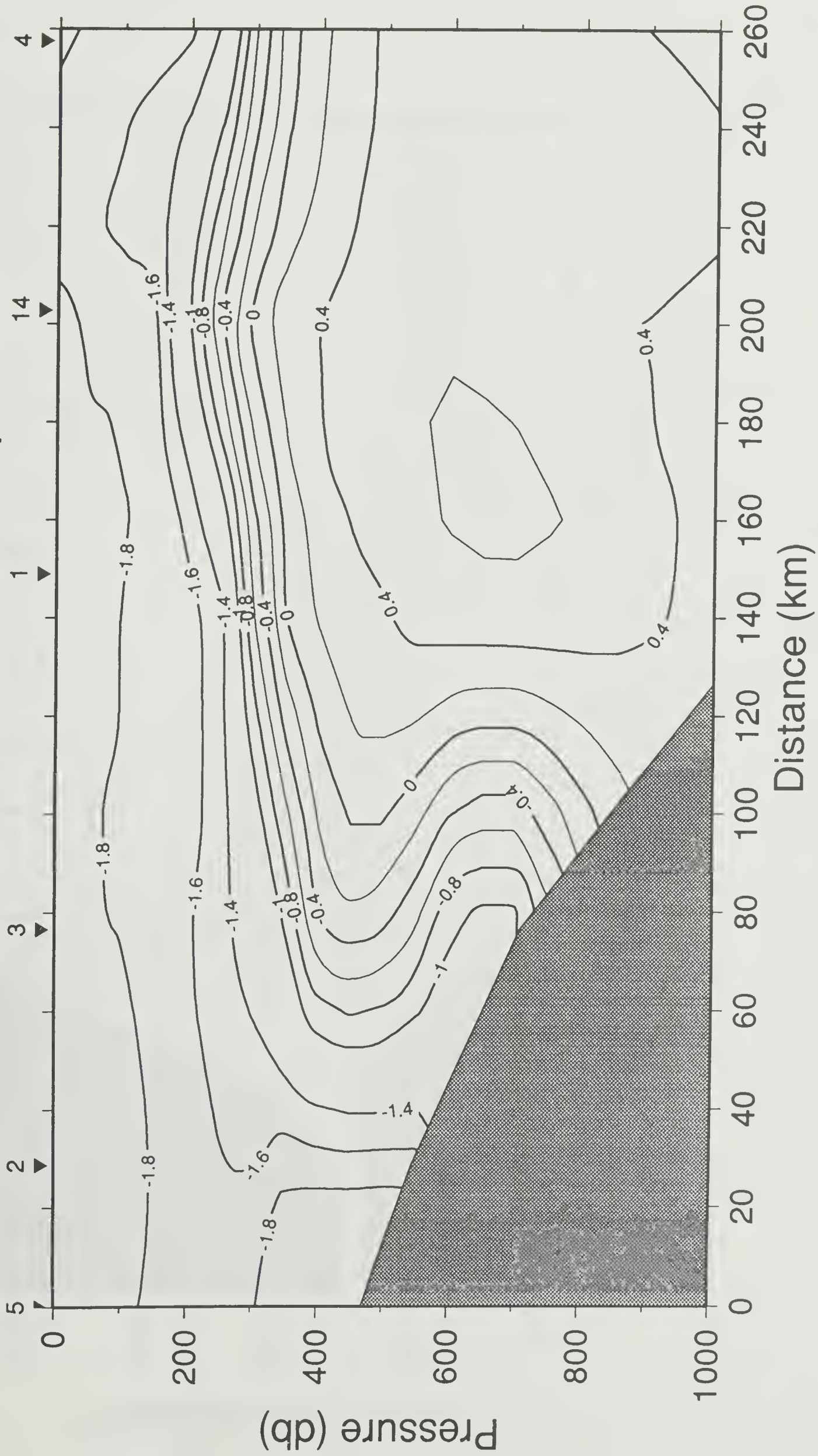
# HELO section3 Potential Temperature



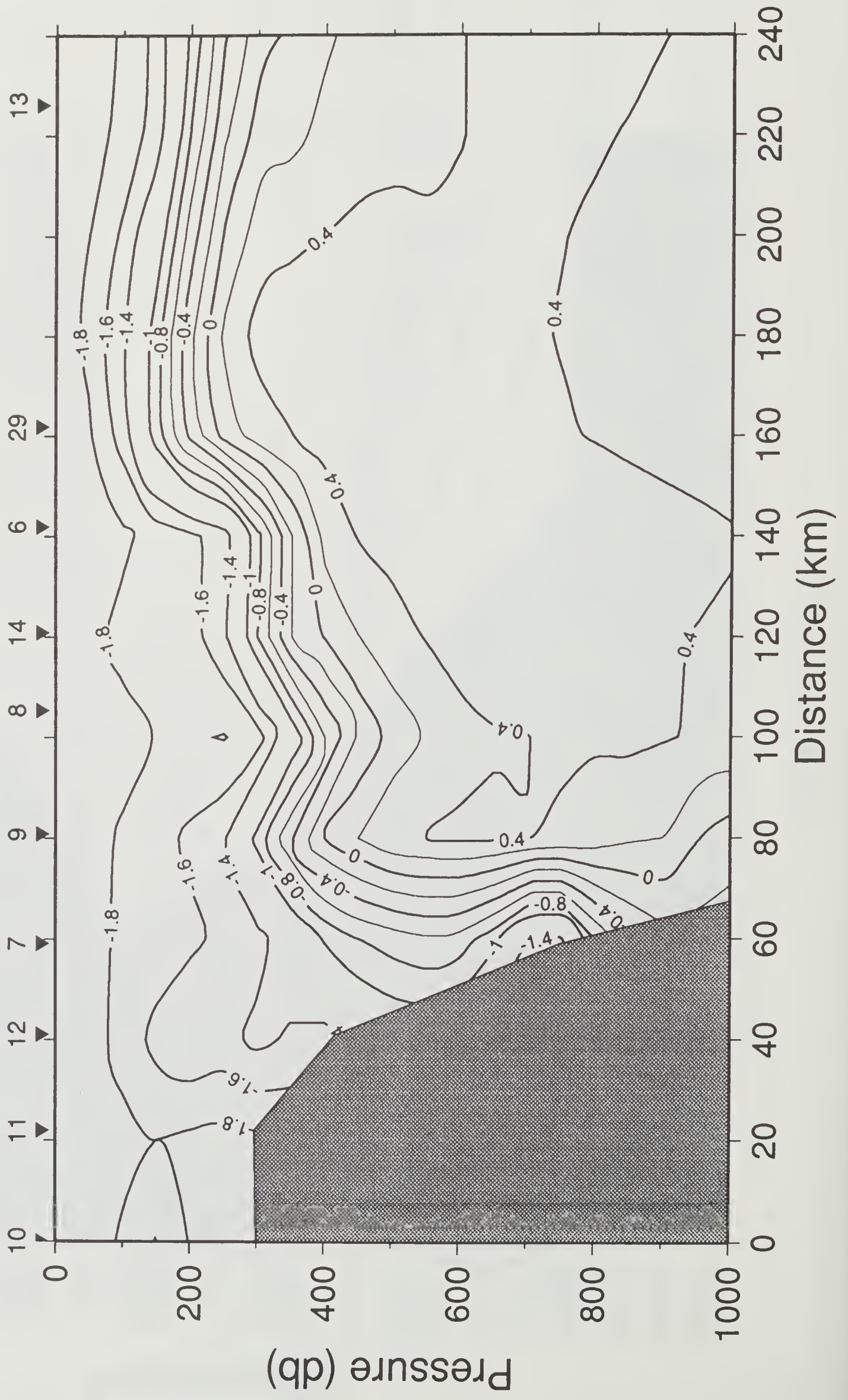
# HELO section4 Potential Temperature



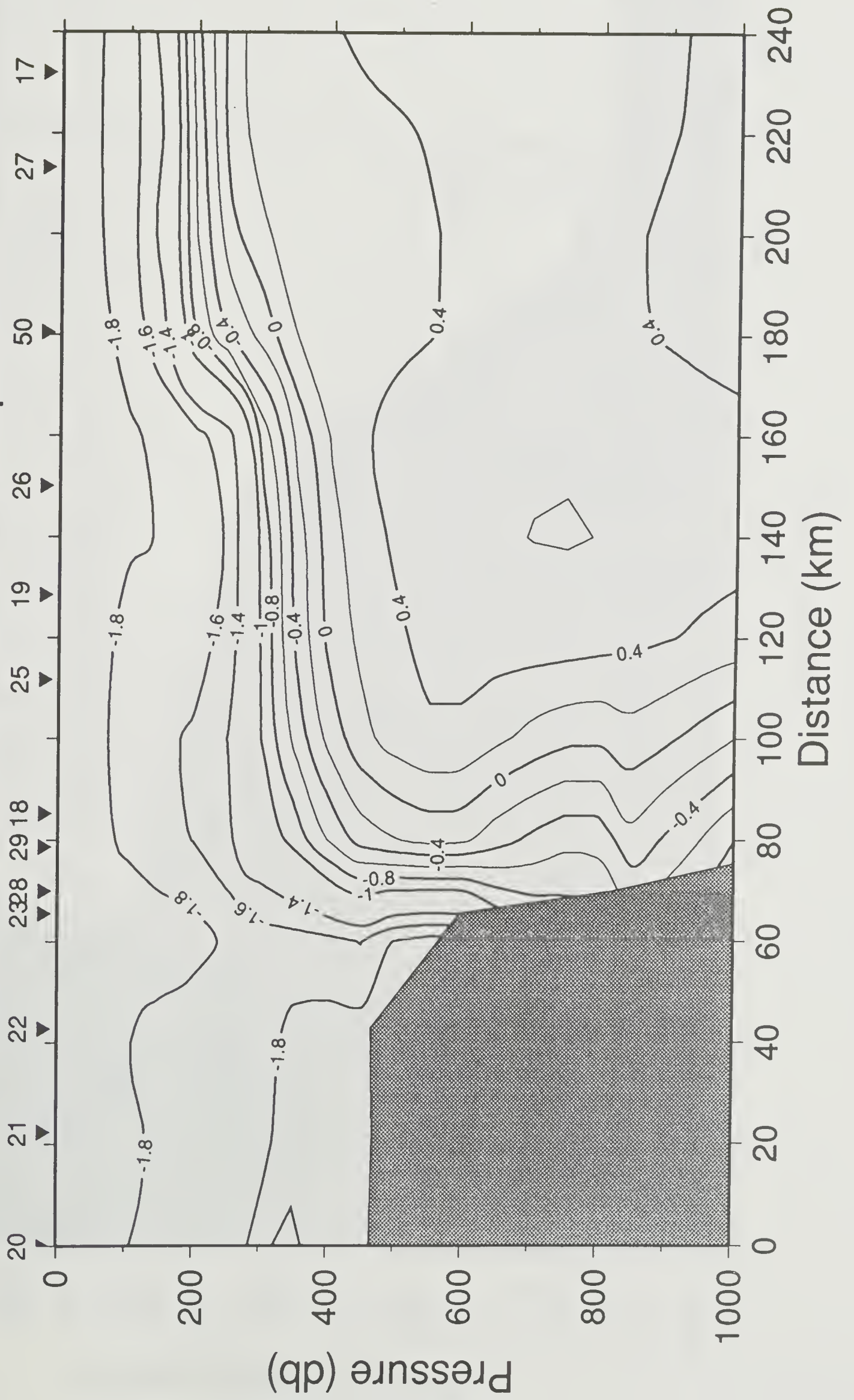
# HELO section1 Potential Temperature



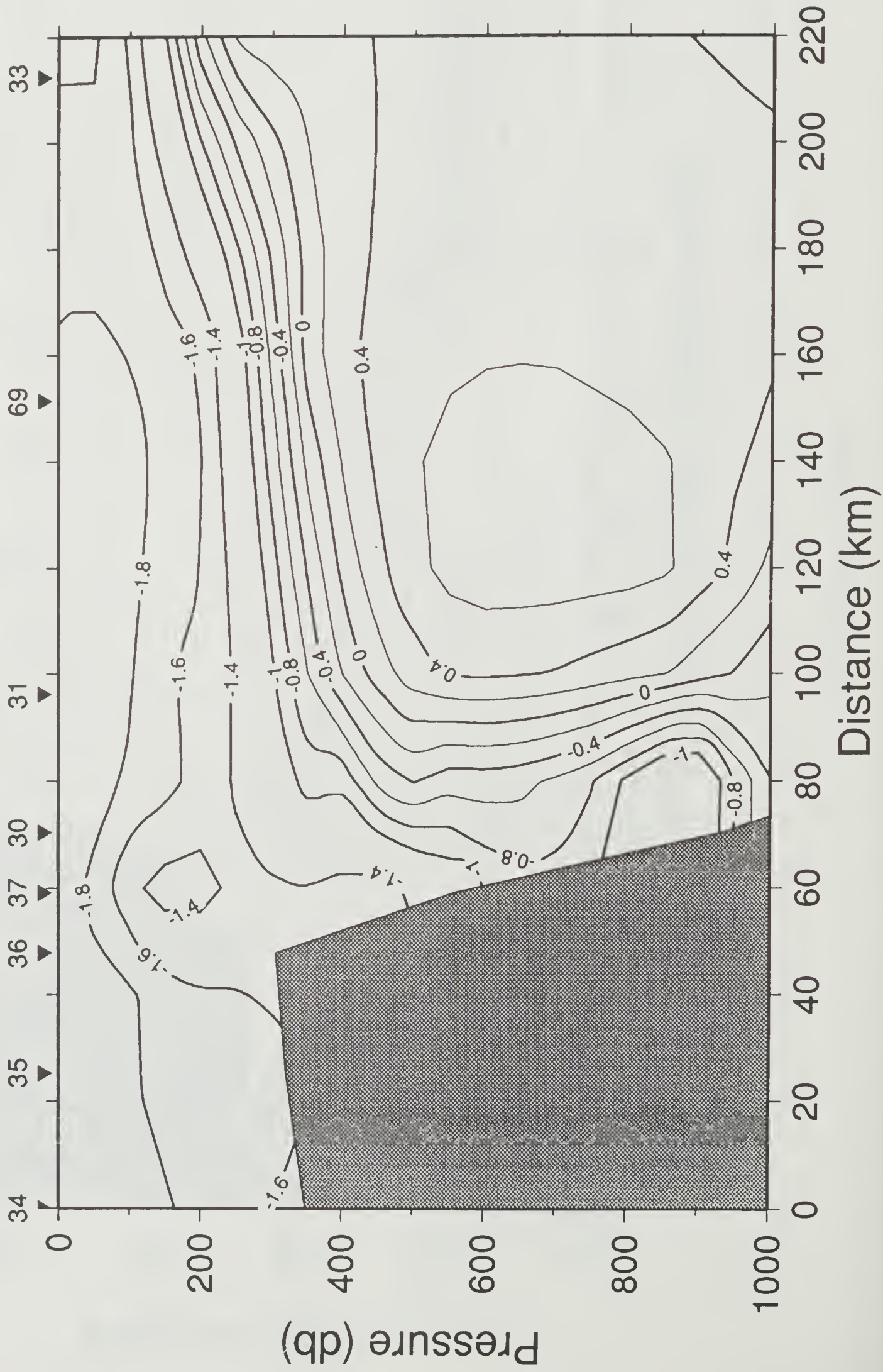
# HELO section2 Potential Temperature



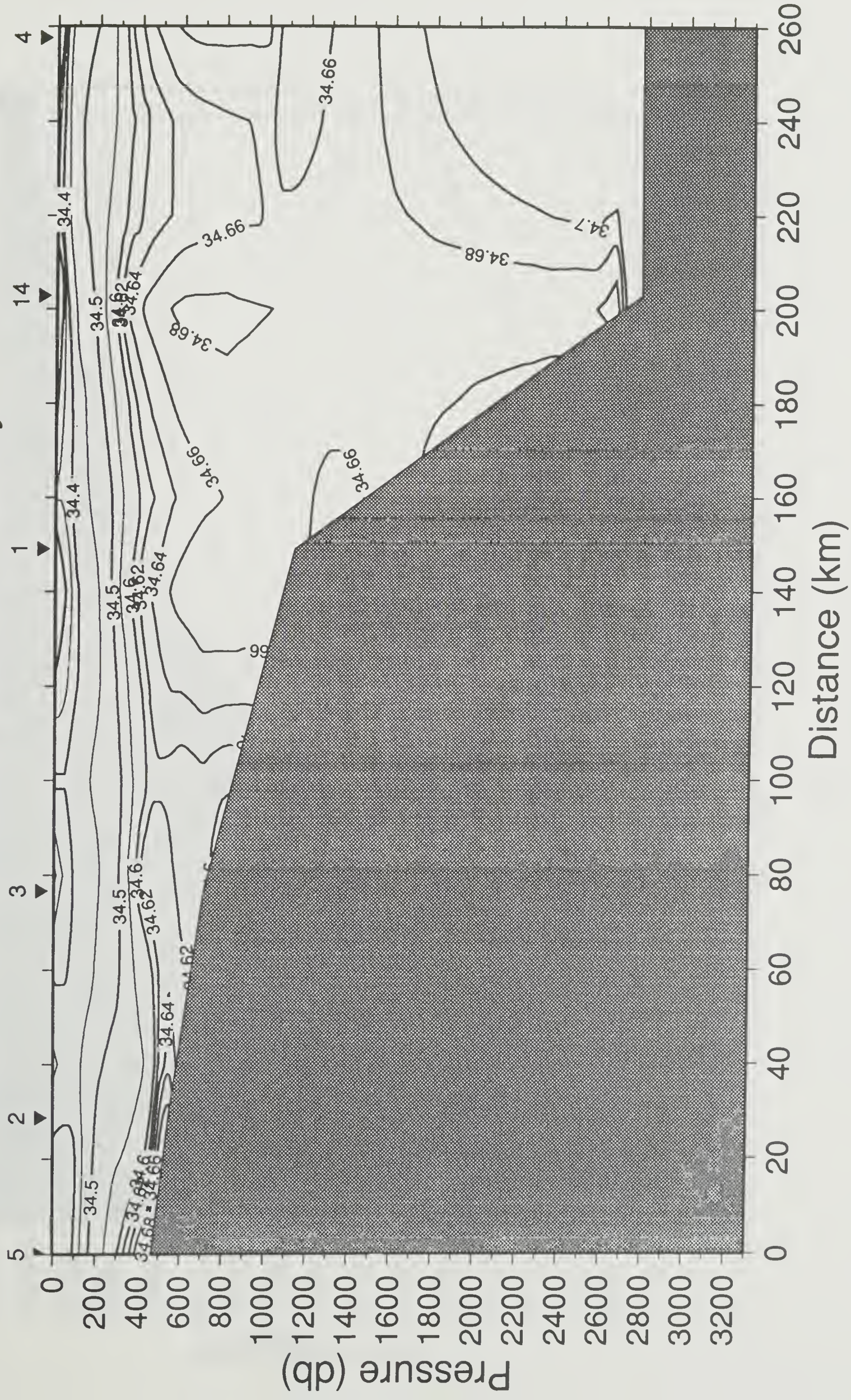
# HELO section3 Potential Temperature



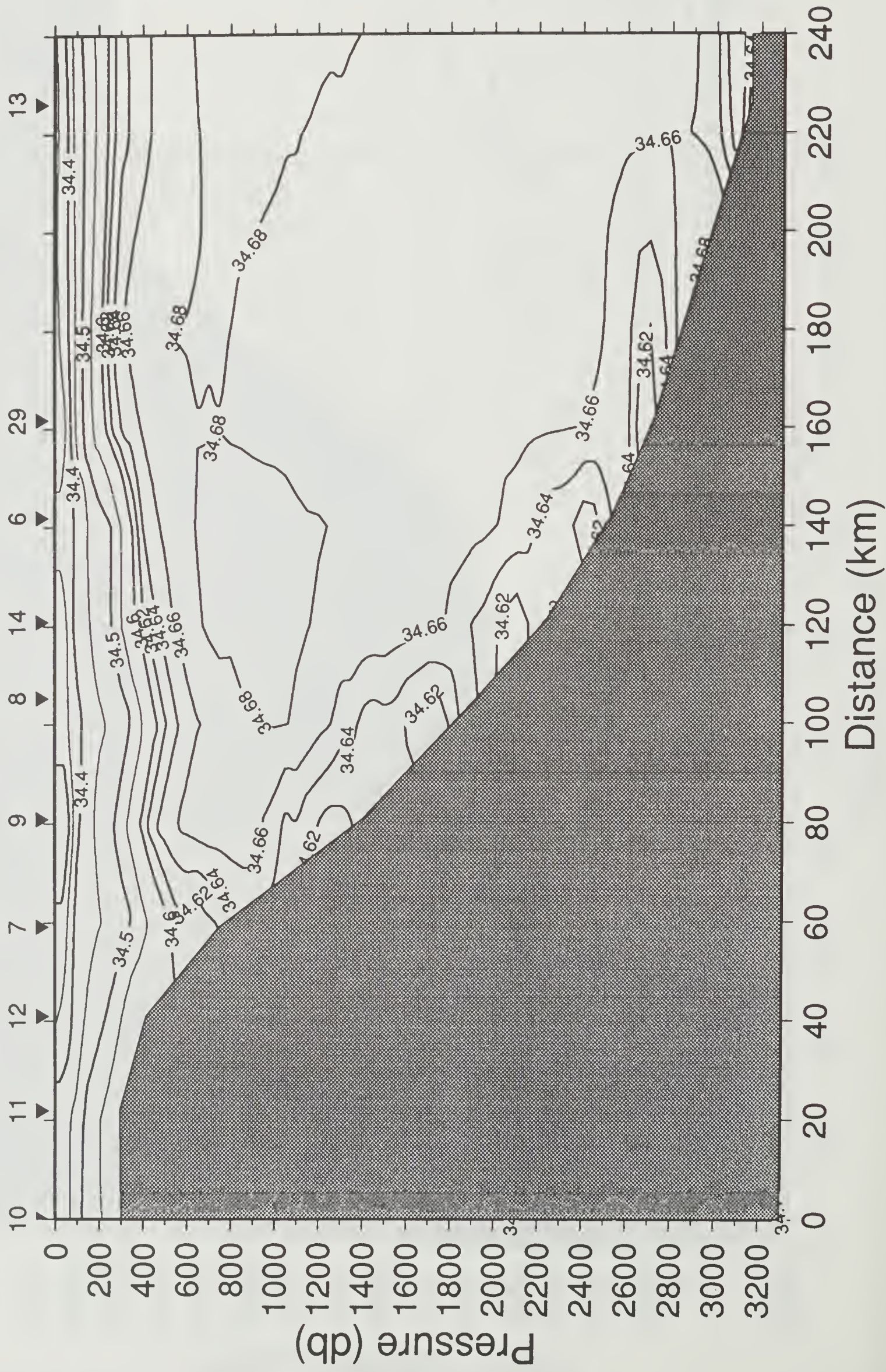
# HELO section4 Potential Temperature



# HELO section1 Salinity

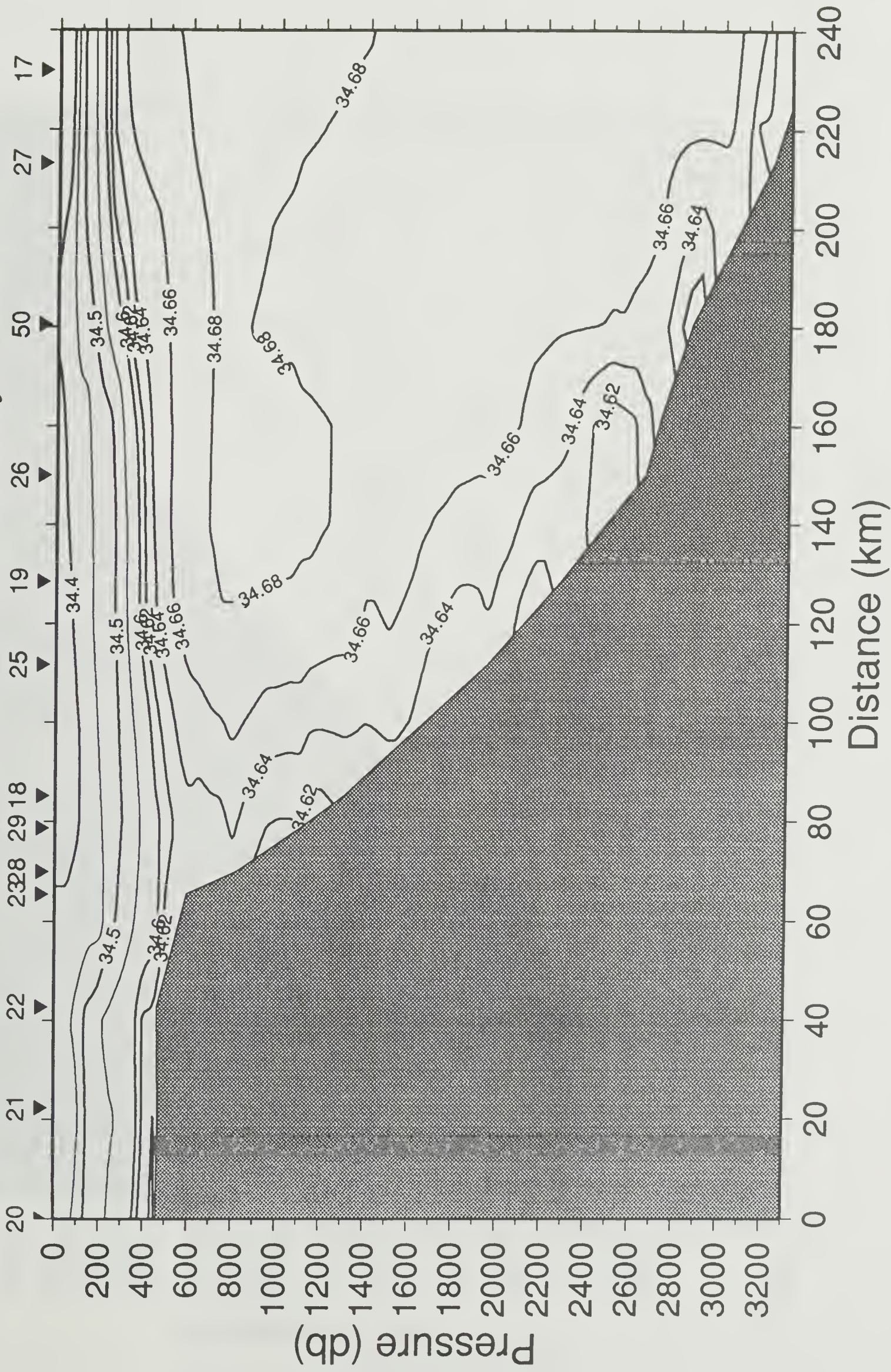


# HELO section2 Salinity

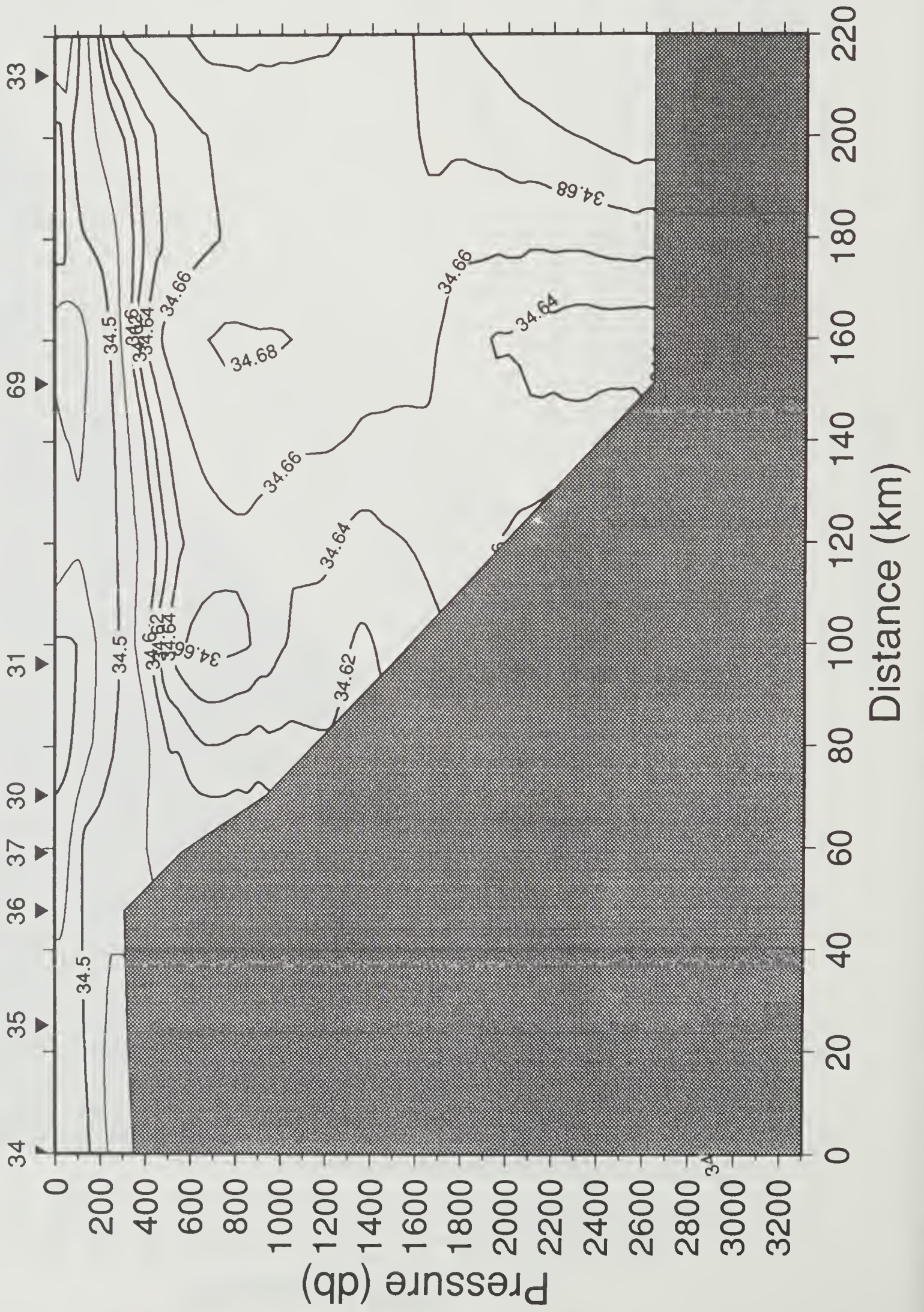




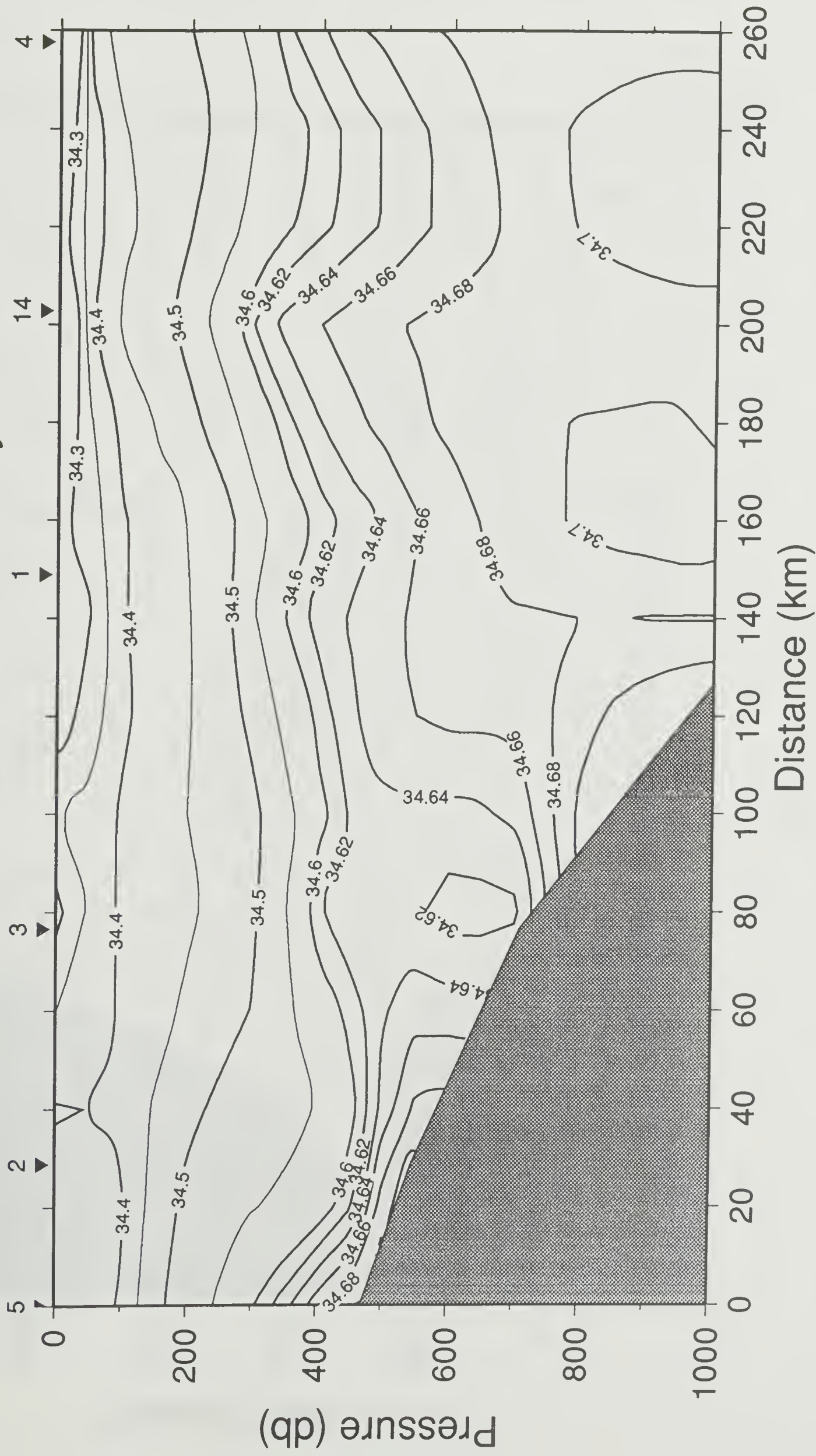
# HELO section3 Salinity



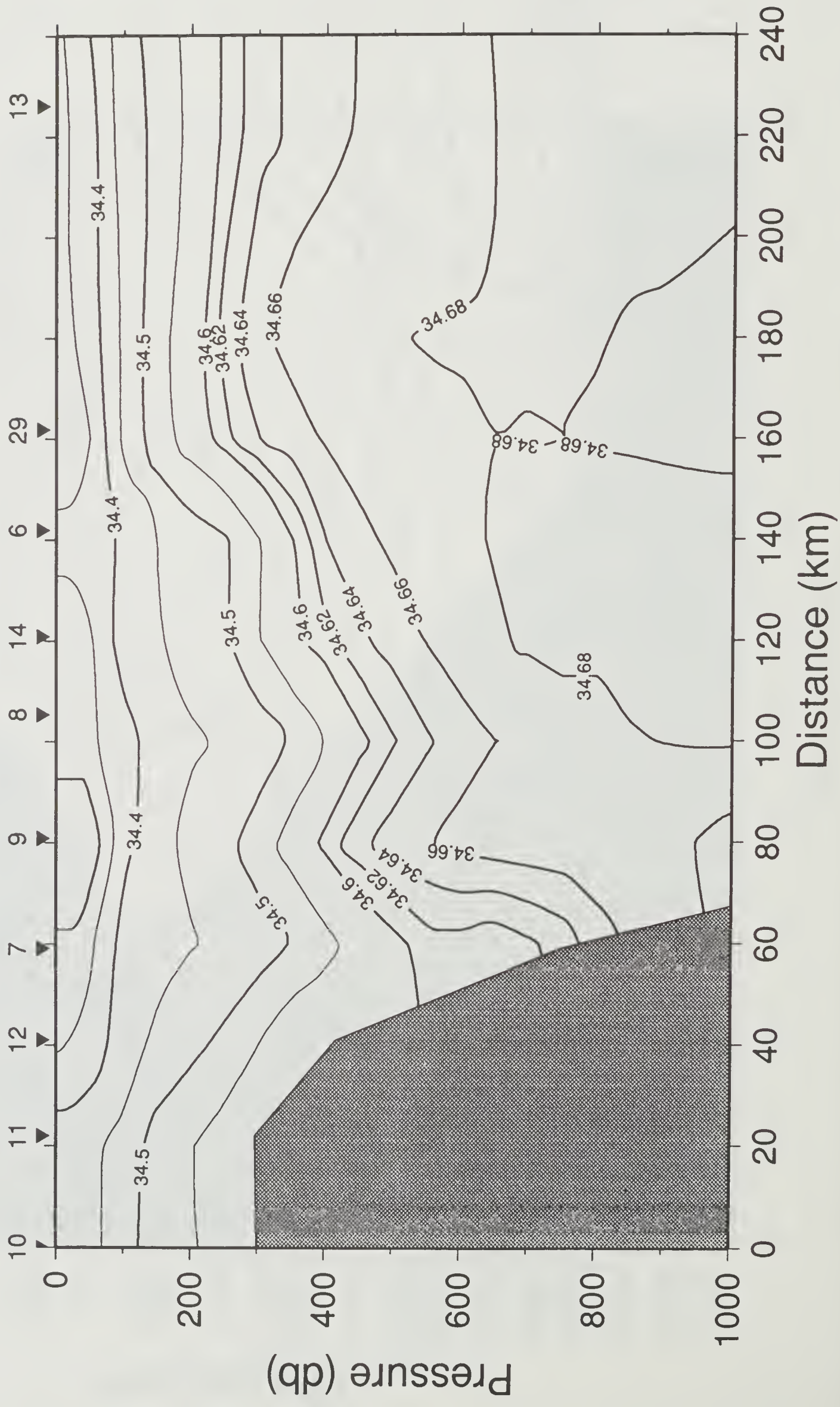
# HELO section4 Salinity



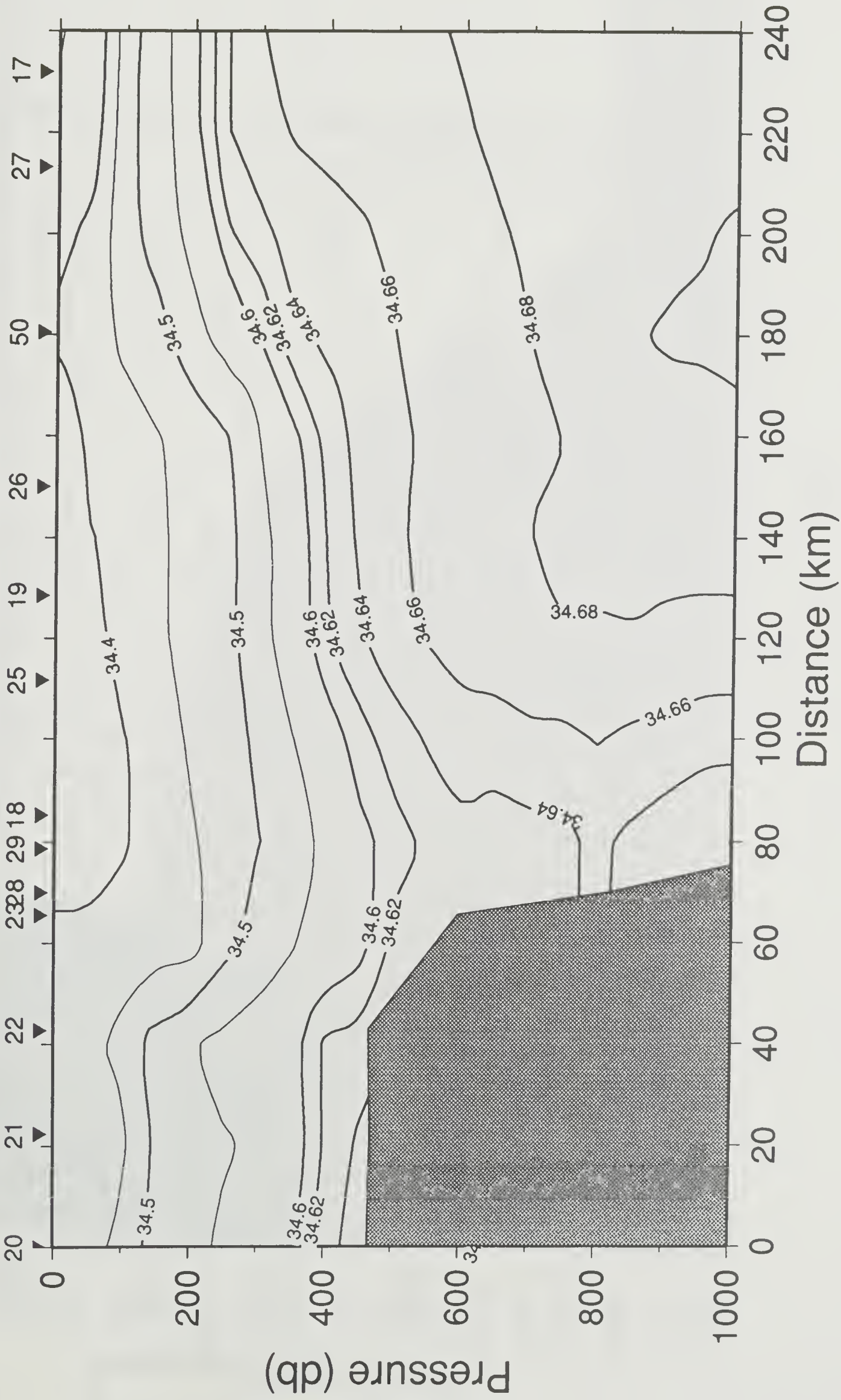
# HELO section1 Salinity



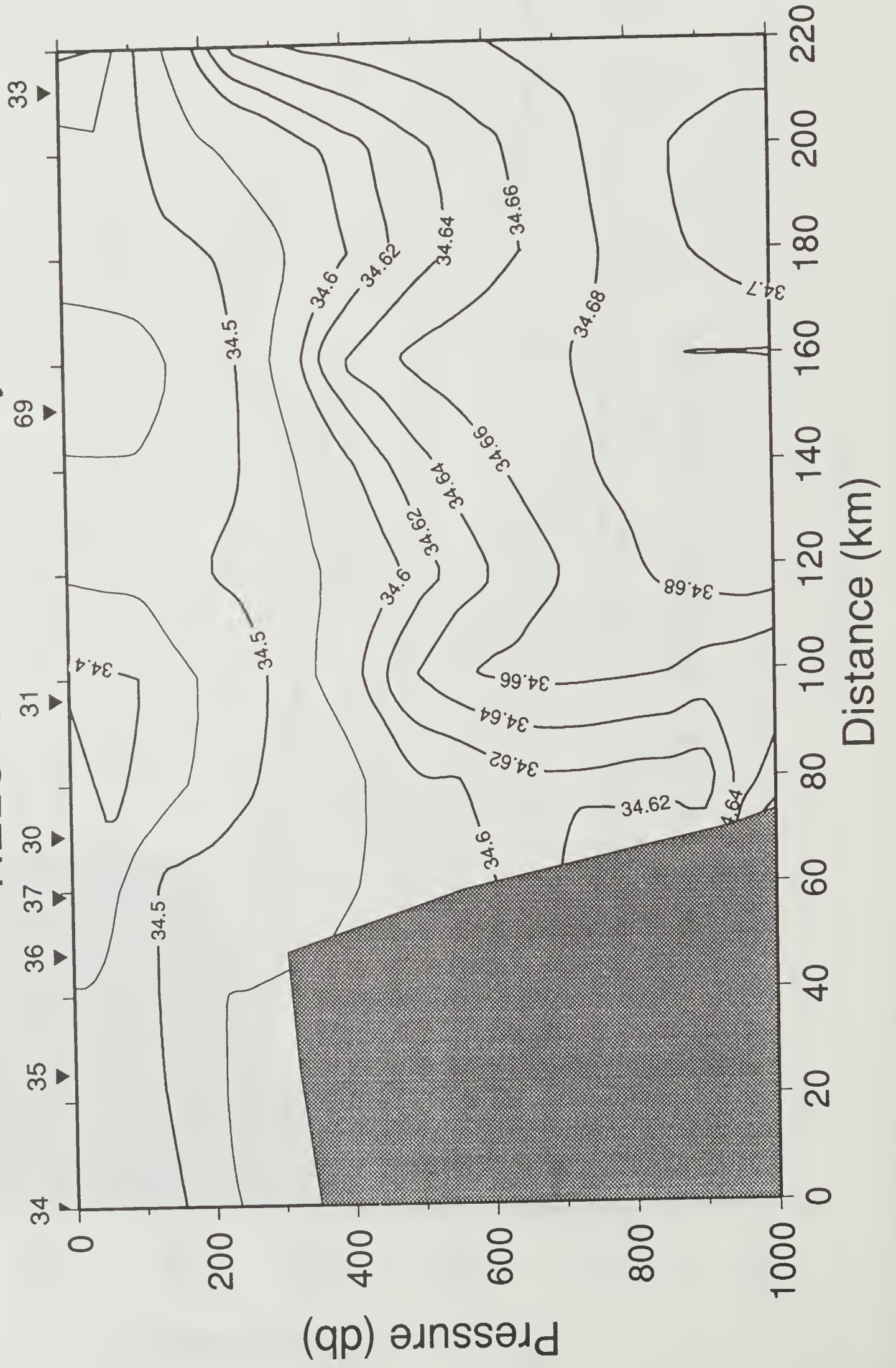
# HELO section2 Salinity



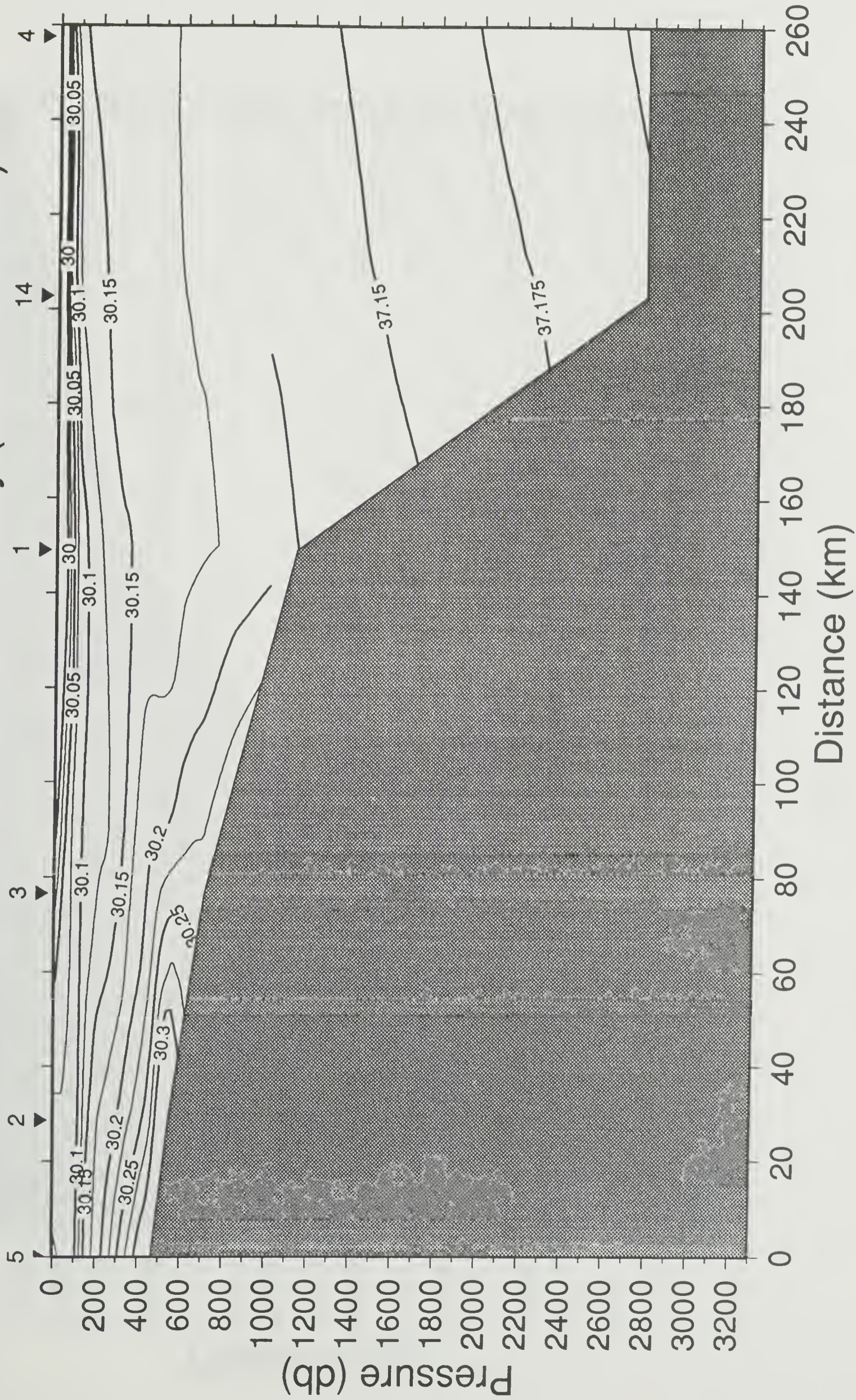
# HELO section3 Salinity



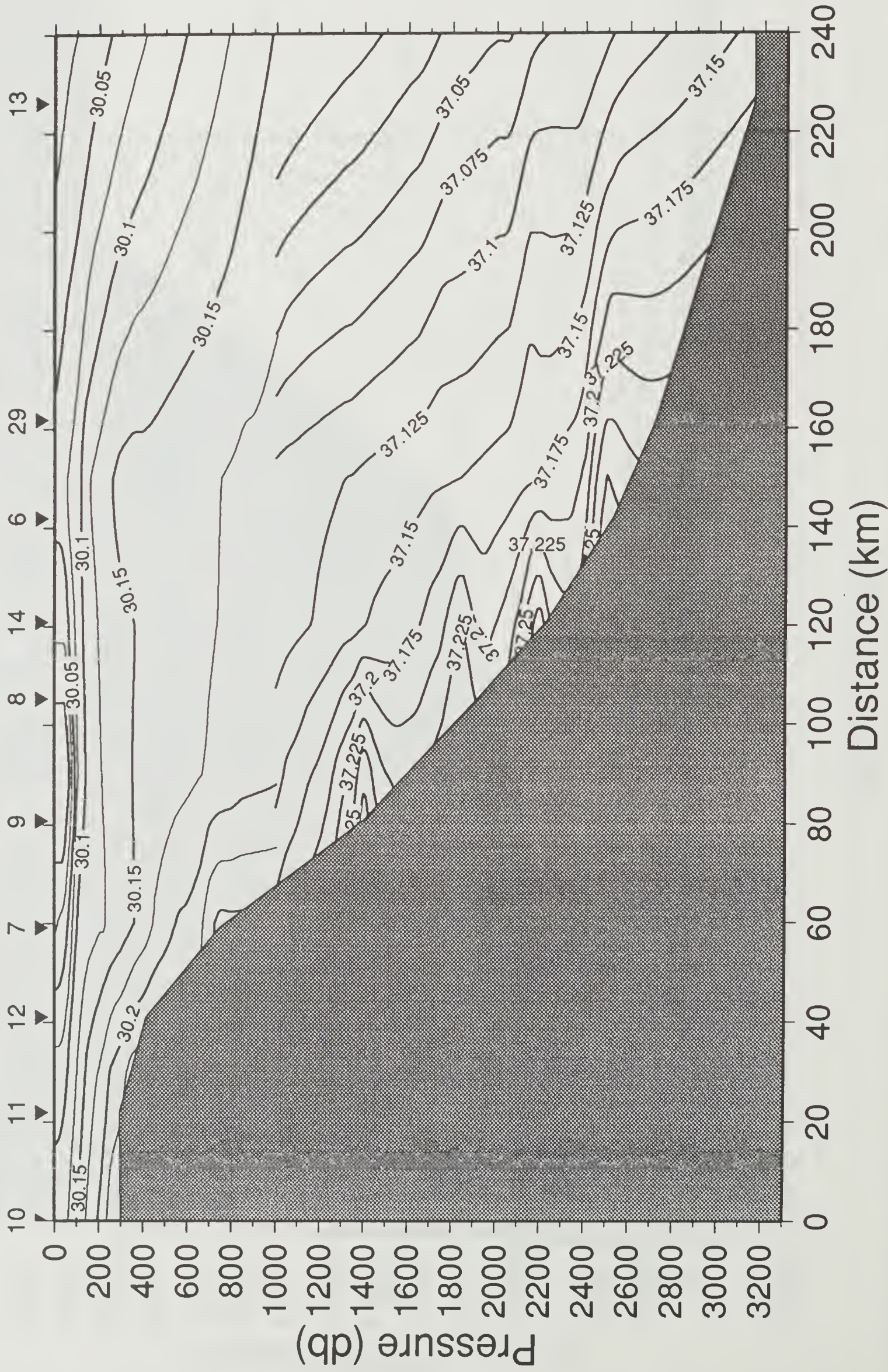
# HELO section4 Salinity



# HELO section1 Potential Density ( $\sigma_{-500/\sigma-2000}$ )

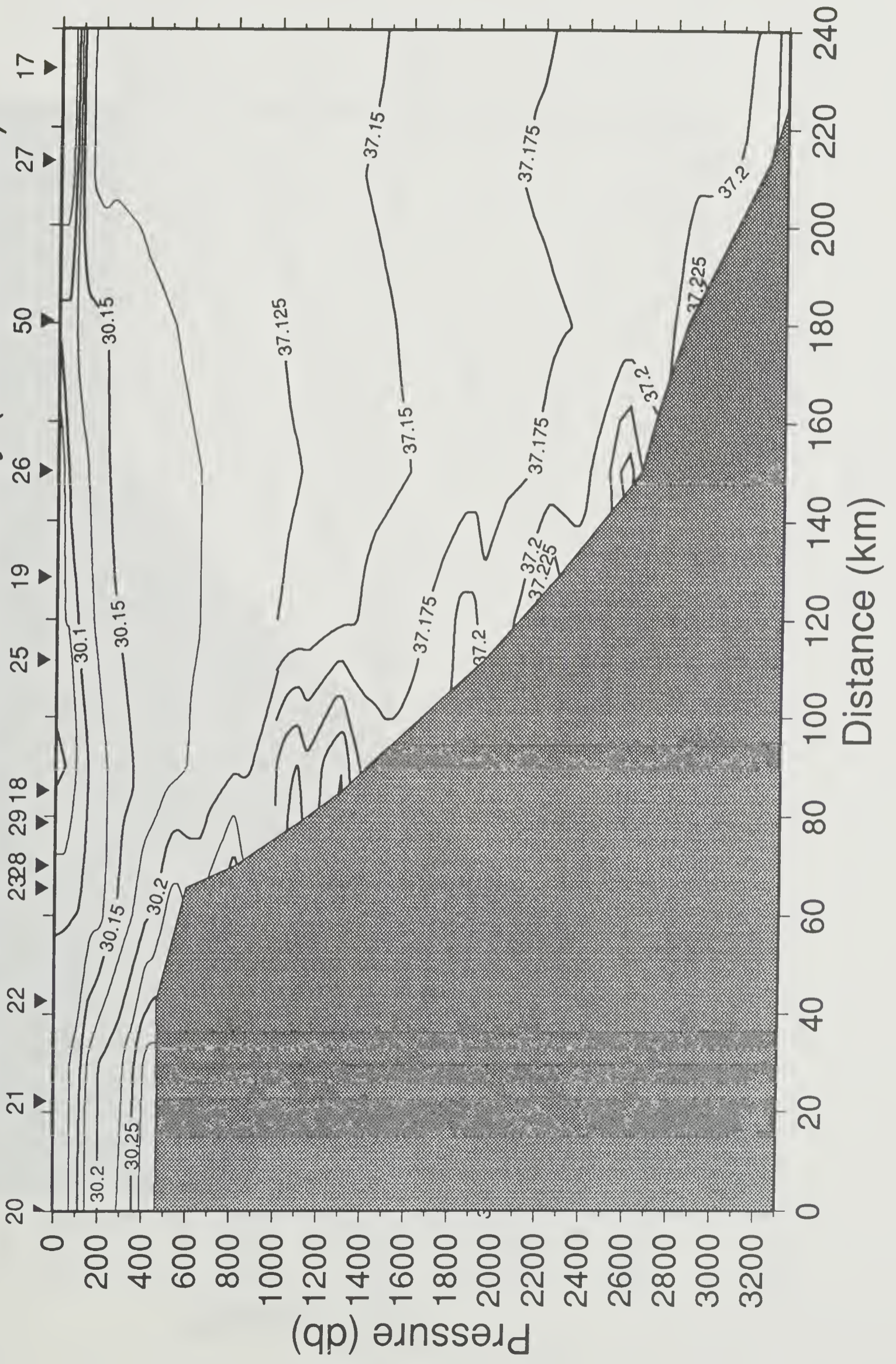


# HELO section2 Potential Density ( $\sigma-500/\sigma-2000$ )

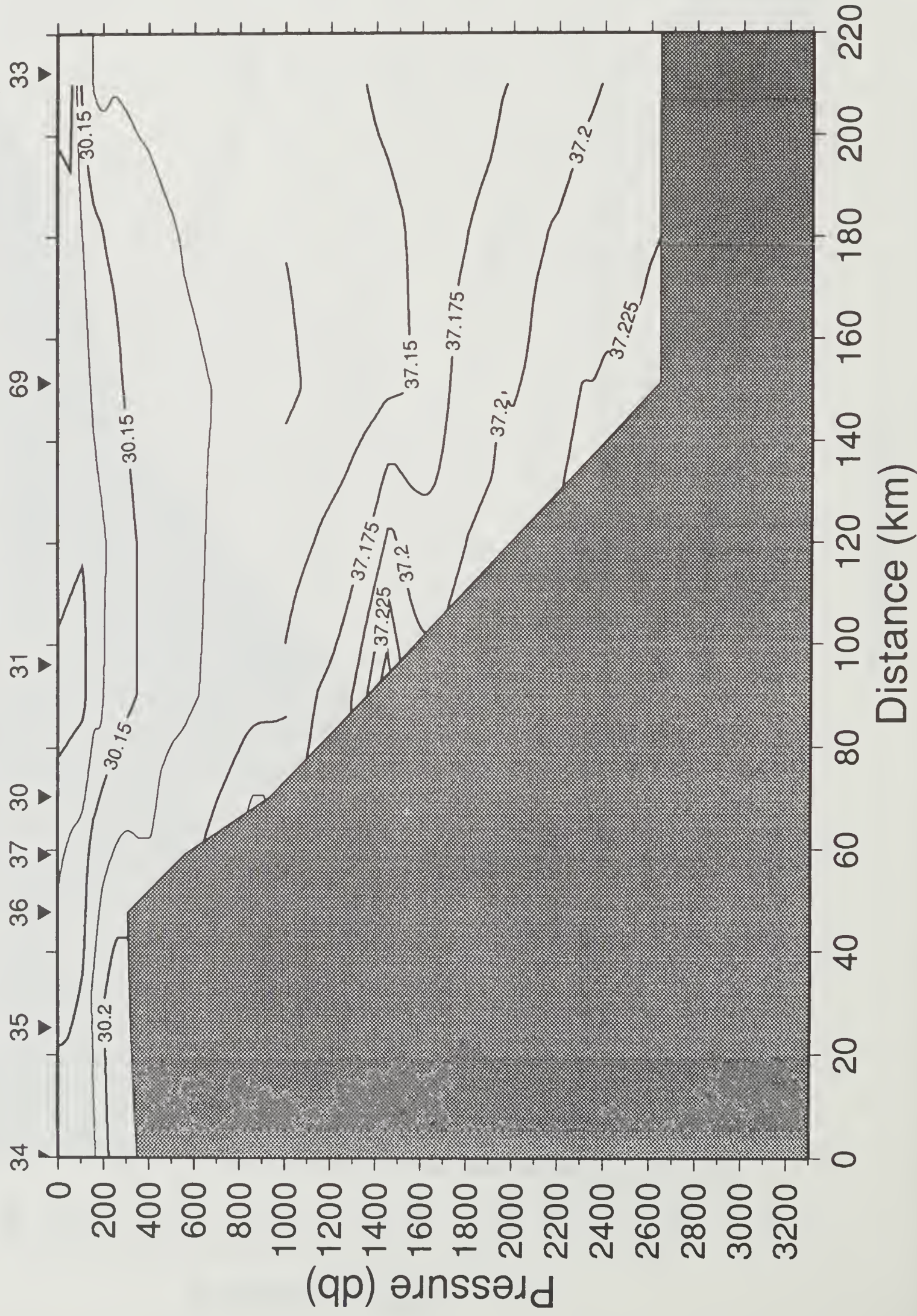




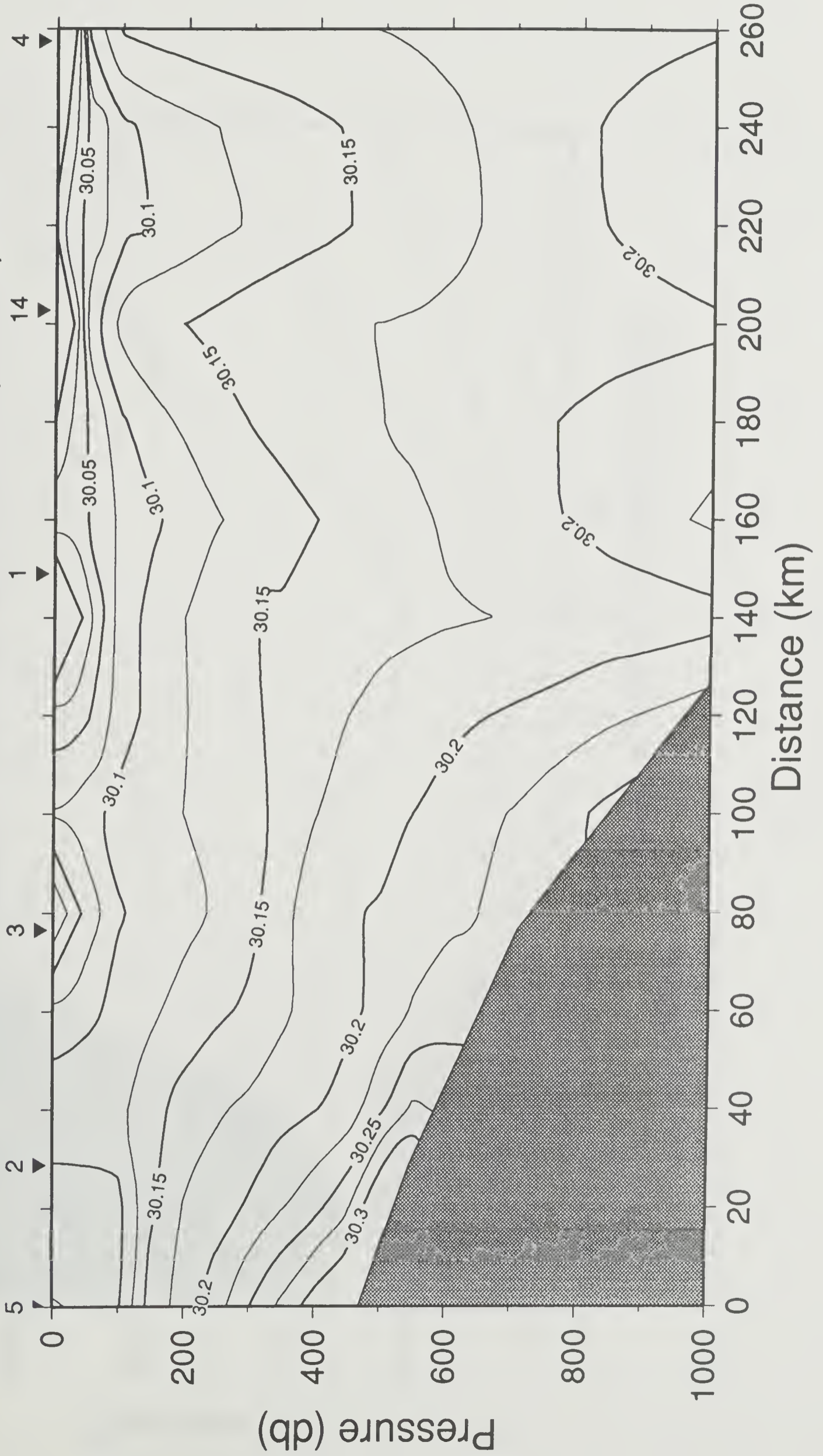
# HELO section3 Potential Density ( $\sigma\text{-500}/\sigma\text{-2000}$ )



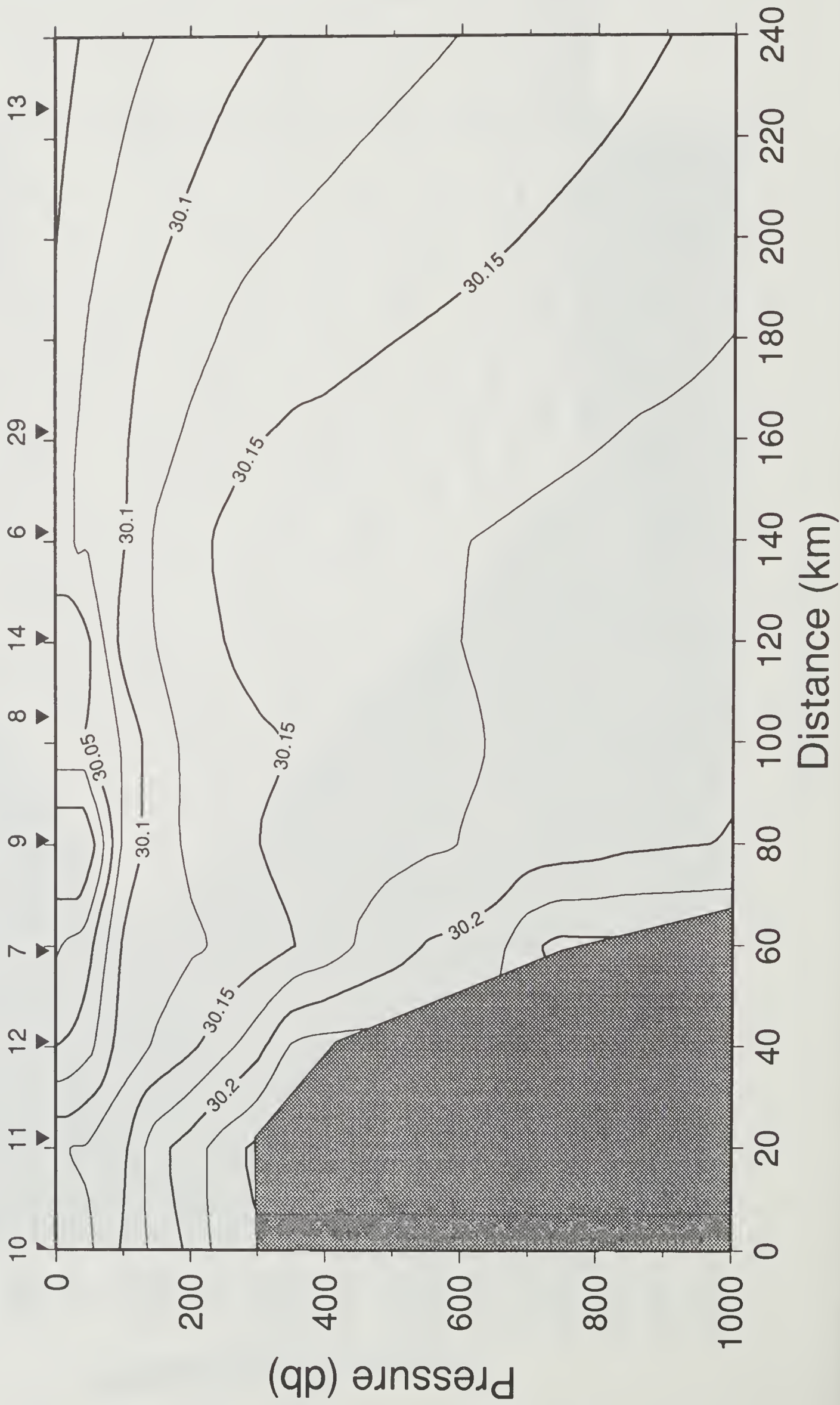
# HELO section4 Potential Density ( $\sigma-500/\sigma-2000$ )



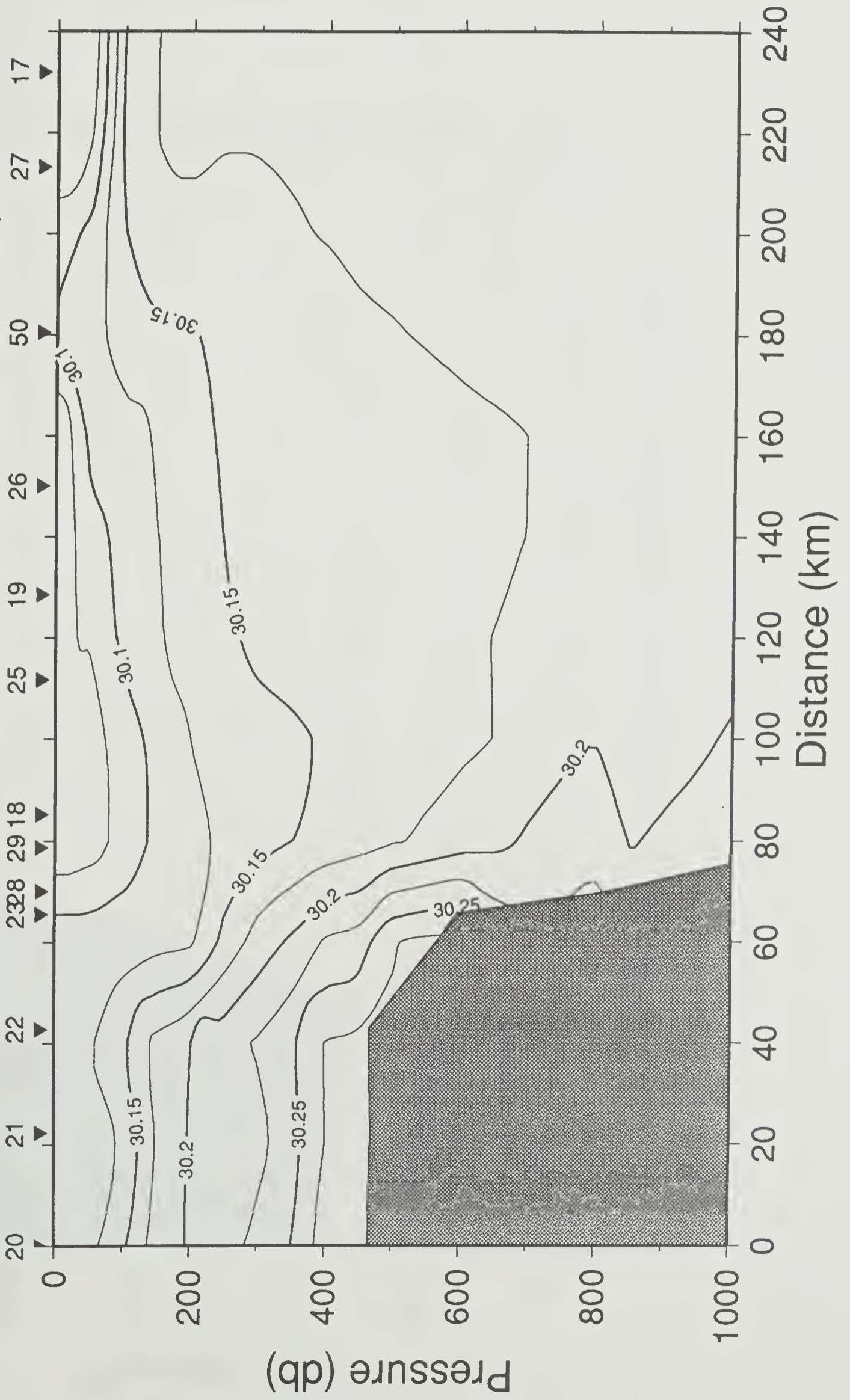
# HELO section1 Potential Density ( $\sigma-500$ )



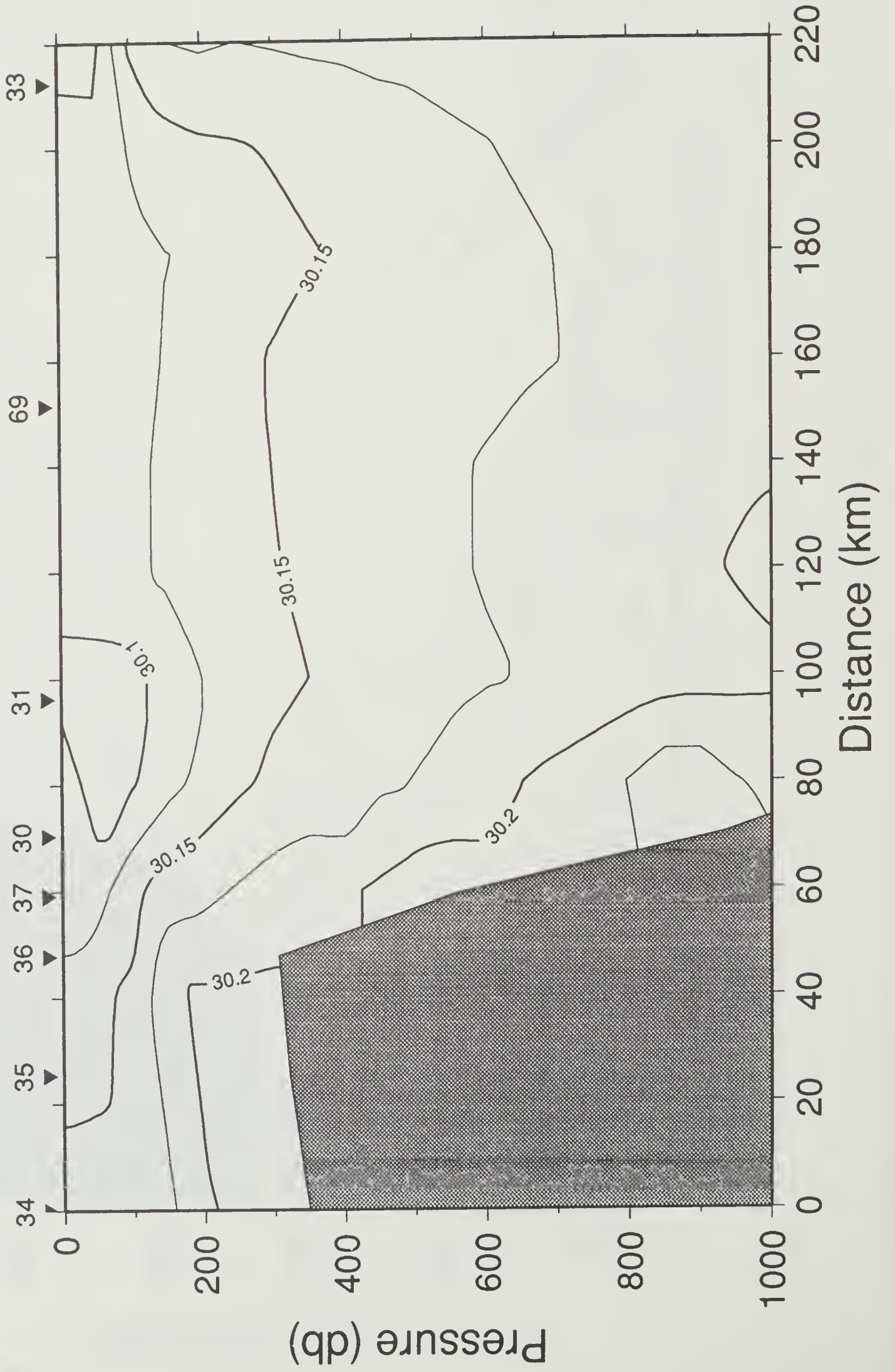
# HELO section2 Potential Density ( $\sigma$ -500)



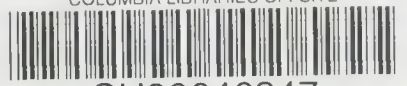
# HELO section3 Potential Density ( $\sigma-500$ )



# HELO section4 Potential Density ( $\sigma-500$ )



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